

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: R. Gersch Examiner #: 59472 Date: 7/15/03
 Art Unit: 1676 Phone Number 304 457 Serial Number: 16/071346
 Mail Box and Bldg/Room Location: 3079 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

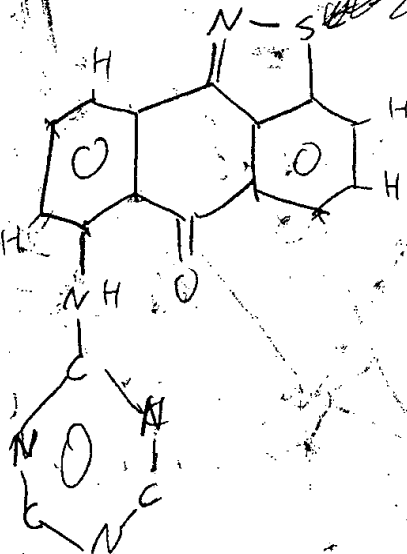
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest/Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



Jan Delaval
 Reference Librarian
 Biotechnology & Chemical Library
 CM1 1E07 - 703-308-4498
 jan.delaval@uspto.gov

STAFF USE ONLY

Searcher: Jan
 Searcher Phone #: 4158
 Searcher Location: _____
 Date Searcher Picked Up: 7/15/03
 Date Completed: 7/15/03
 Searcher Prep & Review Time: _____
 Clerical Prep Time: 10
 Online Time: 16

Type of Search

NA Sequence (#) _____
 AA Sequence (#) _____
 Structure (#) ✓
 Bibliographic _____
 Litigation _____
 Fulltext _____
 Patent Family _____
 Other _____

Vendors and cost where applicable

STN ✓
 Dialog _____
 Questel/Orbit _____
 Dr.Link _____
 Lexis/Nexis _____
 Sequence Systems _____
 WWW/Internet _____
 Other (specify) _____



STIC SEARCH RESULTS

Biotech-Chem Library

Questions about the scope or the results of the search? Contact ***the searcher or contact:***

Mary Hale, Information Branch Supervisor
308-4258, CM1-1E01

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library CM1 - Circ. Desk





STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 98806

TO: Robert Gerstl
Location: 3b09 / 3d19
Tuesday, July 15, 2003
Art Unit: 1626
Phone: 308-4531
Serial Number: 10 / 071390

From: Jan Delaval
Location: Biotech-Chem Library
CM1-1E07
Phone: 308-4498

jan.delaval@uspto.gov

Search Notes

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jan.delaval@uspto.gov

PA Imperial Chemical Industries Ltd.

DT Patent

PATENT NO. KIND DATE

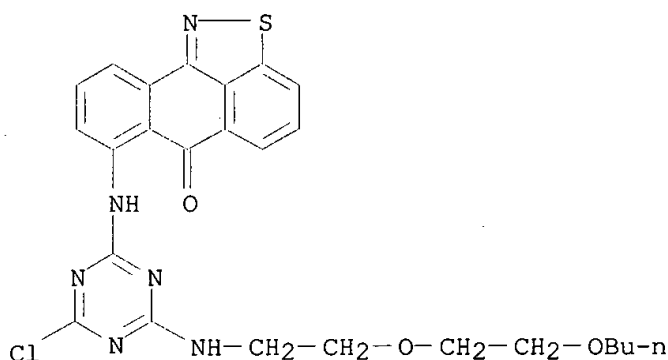
PI GB 960235

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	3171-76-4	3171-77-5	3171-78-6	3352-43-0	3352-44-1	
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	31624-63-2					

IT **3352-44-1** **3522-36-9**

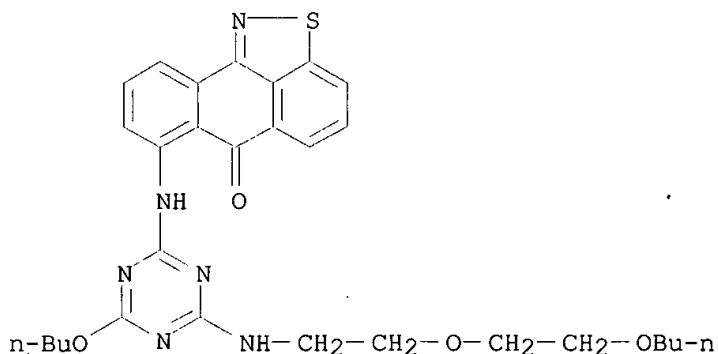
RN 3352-44-1 HCAOLD

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 3522-36-9 HCAOLD

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 HCAOLD COPYRIGHT 2003 ACS

AN CA59:788c CAOLD

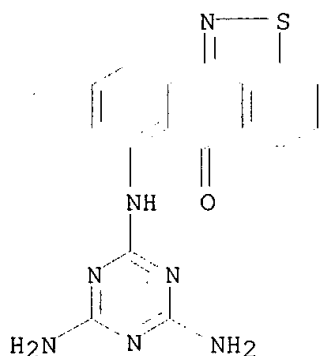
TI dyes (sulfonated vat)

PA CIBA Ltd.

DT Patent

PATENT NO. KIND DATE

PI BE 621286
 GB 991976
 PI BE 621287
 GB 983124
 IT 2475-33-4 14999-97-4 82789-83-1 **101231-70-3** 104601-54-9
 106951-50-2 107085-41-6 107541-37-7 107781-47-5 108242-56-4 108243-41-0
 108373-24-6 108397-81-5
 IT **101231-70-3**
 RN 101231-70-3 HCAOLD
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



=> fil hcaplus

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FILE COVERS 1907 - 15 Jul 2003 VOL 139 ISS 3
 FILE LAST UPDATED: 14 Jul 2003 (20030714/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L9 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS
 AN 1965:9494 HCAPLUS
 DN 62:9494
 OREF 62:1771f-h,1772a-d
 TI Anthraquinone disperse dyes
 IN Eaton, David C.; Irving, Francis
 PA Imperial Chemical Industries Ltd.

=> fil reg

FILE 'REGISTRY' ENTERED AT 13:22:04 ON 15 JUL 2003

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STRUCTURE FILE UPDATES: 13 JUL 2003 HIGHEST RN 547695-13-6

DICTIONARY FILE UPDATES: 13 JUL 2003 HIGHEST RN 547695-13-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

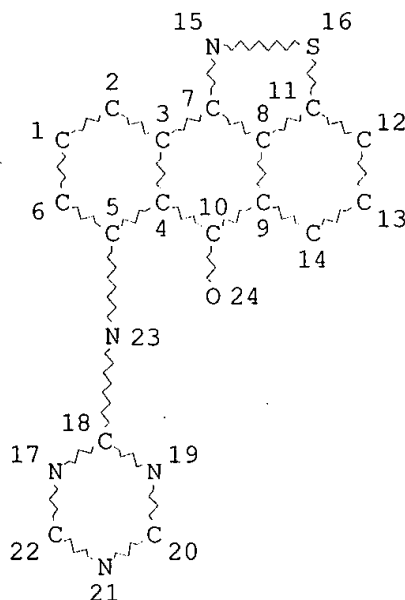
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que 13

L1 STR



Jan DeLaval
Reference Librarian
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jan.delaval@usplo.gov

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE

L3 60 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 61 ITERATIONS

SEARCH TIME: 00.00.01

60 ANSWERS

=> d his 13-

(FILE 'REGISTRY' ENTERED AT 13:13:16 ON 15 JUL 2003)

L3 60 S L1 FUL
SAV L3 BOB071/A

FILE 'HCAOLD' ENTERED AT 13:15:04 ON 15 JUL 2003

L4 2 S L3
SEL AN
EDIT. /AN /OREF

FILE 'HCAPLUS' ENTERED AT 13:15:45 ON 15 JUL 2003

L5 4 S E1-E2
L6 2 S L5 AND (EATON ?/AU OR VAT DYES/TI)
L7 10 S L3
L8 1 S L6 AND L7
L9 2 S L6, L8
L10 1 S L7 AND (US20030073732/PN OR WO2002-US4283/AP, PRN)
L11 1 S L7 AND (SAKATA ? OR RAYMON ?)/AU
L12 1 S L7 AND SIGNAL?/PA, CS
L13 3 S L9-L12
L14 10 S L7 AND (PD<=20020207 OR PRD<=20020207 OR AD<=20020207)
L15 11 S L6-L14

FILE 'USPATFULL, USPAT2' ENTERED AT 13:20:08 ON 15 JUL 2003

L16 4 S L3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 15 JUL 2003

L17 STR L1

FILE 'REGISTRY' ENTERED AT 13:22:04 ON 15 JUL 2003

=> fil hcaold

FILE 'HCAOLD' ENTERED AT 13:22:11 ON 15 JUL 2003

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PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING

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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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L4 ANSWER 1 OF 2 HCAOLD COPYRIGHT 2003 ACS

AN CA62:1771f CAOLD

TI anthraquinone disperse dyes

AU Eaton, David C.; Irving, F.

DT Patent

TI dyes (anthraquinone disperse)

PA Imperial Chemical Industries Ltd.
DT Patent

PATENT NO. KIND DATE

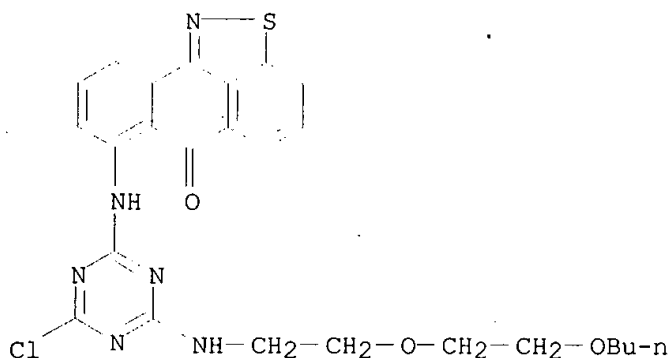
PI GB 960235

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	31624-63-2					

IT **3352-44-1** **3522-36-9**

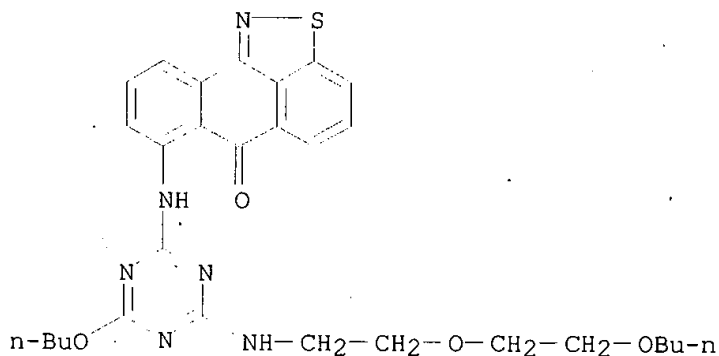
RN 3352-44-1 HCAOLD

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 3522-36-9 HCAOLD

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 HCAOLD COPYRIGHT 2003 ACS

AN CA59:788c CAOLD

TI dyes (sulfonated vat)

PA CIBA Ltd.

DT Patent

PATENT NO. KIND DATE

SO 8 pp.
 DT Patent
 LA Unavailable
 IC C09B
 CC 46 (Dyes)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 960235		19640610	GB	19610808
GI	For diagram(s), see printed CA Issue.				
AB	<p>Comps. of the general formula I, where 1 or 2 of Z, Z1, Z2, Z3, and Z4 is A, are prepd. Aq. dispersions of the prepd. dyes give fast dyeings on aromatic polyester textile materials (II). Thus, 16.65 parts I [Z = A (X = Y = Cl), Z1 = Z2 = Z3 = Z4 = H] in 100 parts .omicron.-C6H4Cl2 is agitated 4 hrs. at 70-80.degree. with 8 parts MeO(CH2)3NH2 in 50 parts .omicron.-C6H4Cl2 to give I [Z = A [X = Cl, Y = MeO(CH2)3NH], Z1 = Z2 = Z3 = Z4 = H] (III), a greenish yellow powder, yellow on II. III (5 parts) is added to MeNH2 in 50 parts cresol, and the mixt. is agitated at 80.degree. as addnl. MeNH2 is introduced to give I [Z = A [X = MeO(CH2)3NH, Y = MeNH], Z1 = Z2 = Z3 = Z4 = H], a yellow powder, yellow on II. Similarly prepd. are the following I (Z, Z1, Z2, Z3, Z4, appearance, and color on II given): A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, H, H, H, yellow powder, yellow; A[X = MeO(CH2)3NH, Y = HOCH2CH2NH], H, H, H, H, yellow powder, yellow; A[X = MeO(CH2)3NH, HOCH2CH2NH], H, MeO, H, H, --, orange-scarlet; A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, MeO, H, H, --, yellow-orange; A[X = MeO(CH2)3NH, Y = MeNH], H, OH, H, H, --, bluish red; A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, H, --, red-violet; NH2, Me, A[X = MeO(CH2)3NH, Y = BuNH], H, H, --, red-violet; OH, A[X = Y = MeO(CH2)3NH], OH, H, H, dull red powder, orange-scarlet; A[X = MeO(CH2)3NH, Y = MeNH], H, PhNH, H, H, dark blue powder, blue; A[X = EtOCH2CH2O, Y = MeOCH2CH2O(CH2)3NH], H, H, H, H, --, greenish yellow; NH2, MeO, A[X = MeO(CH2)3NH, Y = MeNH], H, H, --, red; A[X = MeO(CH2)3NH, Y = MeOH], H, OH, A[X = MeO(CH2)3NH, Y = MeNH], OH, --, blue; NH2, PhO, A[X = EtO(CH2)3NH, Y = (HOCH2CH2)2N], H, H, --, blue-red; NH2, CO2Me, A(X = Y = EtOCH2CH2O), H, H, --, reddish blue. Similarly prepd. are (appearance and color on II given): 6-[4'-(.gamma.-methoxypropylamino)-6'-(methylamino)-1',3',5'-triazin-2'-ylamino]phthaloyl-3',4'-acridone, --, blue; 5-[4'-[.beta.-(.beta.-butoxyethoxy)ethylamino]-6'-butoxy-1',3',5'-triazin-2'-ylamino]isothiazoloanthrone, --, orange; 4-[4'-(butylamino)-6'-(.beta.-butoxyethoxy)-1',3',5'-triazin-2'-ylaminophthaloyl-3',4'-acridone, --, bluish red. Also prepd. are the following I (Z, Z1, Z2, Z3, Z4, and color on II given): A[X = MeO(CH2)3NH, Y = Cl], H, MeO, H, H, yellow-orange; A[X = MeO(CH2)3NH, Y = Cl], H, OH, H, H, red; A(X = EtOCH2CH2O, Y = Cl), H, H, H, H, yellow; A[X = MeO(CH2)3NH, Y = Cl], H, A[X = MeO(CH2)3NH, Y = Cl], H, H, bluish red; A[X = MeO(CH2)3NH, Y = Cl], H, H, H, A[X = MeO(CH2)3NH, Y = Cl], yellow-orange; NH2, Me, A[X = MeO(CH2)3NH, Y = Cl], H, H, blue-red; NH2, Me, A(X = Y = Cl), H, H, --; OH, A(X = Y = Cl), OH, H, H, --; A[X = MeO(CH2)3NH, Y = Cl], H, PhNH, H, H, --; A(X = Y = Cl), H, PhNH, H, H, --; A[X = MeOCH2CH2O(CH2)3NH, Y = Cl], H, H, H, H, --; NH2, MeO, A[X = MeO(CH2)3NH, Y = Cl], H, H, bright bluish red; NH2, MeO, A(X = Y = Cl), H, H, --; A[X = MeO(CH2)3NH, Y = Cl], H, OH, A[X = MeO(CH2)3NH, Y = Cl], OH, --; NH2, PhO, A(X = Y = Cl), H, H, --; NH2, PhO, A[X = N(CH2CH2OH)2, Y = Cl], H, H, --; NH2, CO2Me, A(X = Y = Cl), H, H, --. Also prepd. are: 6-[4'-(.gamma.-methoxypropylamino)-6'-chloro-1',3',5'-triazin-2'-ylamino]phthaloyl-3',4'-acridone (blue on II); 5-[4'-[.beta.-(.beta.-butoxyethoxy)ethylamino]-6'-chloro-1',3',5'-triazin-2'-ylamino]isothiazoloanthrone; 6-[4'-(.beta.-butoxyethyl-amino)-6'-chloro-1',3',5'-triazin-2'-ylamino] - N - methylanthrapyridone; 6-(4',6'-dichloro-1',3',5'-triazin-2'-ylamino)-N-methylanthrapyridone.</p>				
IT	Dyes				
	(anthraquinone, disperse, s-triazine-contg., Dacron)				
IT	Dacron				

(dyes for, anthraquinone derivs. as)

IT 3H-Dibenz[fij]isoquinoline-2,7-dione, 6-[(4,6-dichloro-s-triazin-2-yl)amino]-3-methyl-

3H-Dibenz[fij]isoquinoline-2,7-dione, 6-[[4-[(2-butoxyethyl)amino]-6-chloro-s-triazin-2-yl]amino]-3-methyl-

Anthraquinone, 1-[[4-[(3-methoxypropyl)amino]-o]6-(methylamino)-s-triazin-2-yl]amino]-

Anthraquinone, 1-anillino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-

IT 3171-48-0, Anthraquinone, 1-[[4-[(2-hydroxyethyl)amino]-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]-amino]- 3171-49-1, Anthraquinone, 1-[[4-[(2-hydroxyethyl)amino]-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-50-4, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-51-5, Anthraquinone, 1-hydroxy-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-52-6, Anthraquinone, 1-amino-4-[[4-(butylamino)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methyl- 3171-53-7, Anthraquinone, 1,4-dihydroxy-2-[[4,6-bis[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-54-8, Anthraquinone, 1-anilino-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-55-9, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[[3-(2-methoxyethoxy)propyl]amino]-s-triazin-2-yl]amino]- 3171-56-0, Anthraquinone, 1-amino-2-methoxy-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-57-1, Anthraquinone, 1,5-dihydroxy-4,8-bis[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-58-2, Anthraquinone, 1-amino-4-[[4-[bis(2-hydroxyethyl)amino]-6-[(3-ethoxypropyl)amino]-s-triazin-2-yl]amino]-2-phenoxy- 3171-59-3, 2-Anthroic acid, 1-amino-4-[[4,6-bis(2-ethoxyethoxy)-s-triazin-2-yl]amino]-9,10-dihydro-9,10-dioxo-, methyl ester 3171-60-6, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-61-7, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-hydroxy- 3171-62-8, Anthraquinone, 1-[[4-chloro-6-(2-ethoxyethoxy)-s-triazin-2-yl]amino]- 3171-63-9, Anthraquinone, 1,4-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-64-0, Anthraquinone, 1,8-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-65-1, Anthraquinone, 1-amino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methyl- 3171-66-2, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-methyl- 3171-67-3, Anthraquinone, 2-[(4,6-dichloro-s-triazin-2-yl)amino]-1,4-dihydroxy- 3171-69-5, Anthraquinone, 1-anilino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-70-8, Anthraquinone, 1-[[4-chloro-6-[[3-(2-methoxyethoxy)propyl]amino]-s-triazin-2-yl]amino]- 3171-71-9, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-methoxy- 3171-72-0, Anthraquinone, 1-amino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methoxy- 3171-73-1, Anthraquinone, 1,5-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4,8-dihydroxy- 3171-74-2, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-phenoxy- 3171-75-3, Anthraquinone, 1-amino-4-[[4-chloro-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-2-phenoxy- 3171-76-4, 2-Anthroic acid, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-9,10-dihydro-9,10-dioxo-, methyl ester 3352-43-0, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3352-44-1, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-s-triazin-2-yl]amino]- 3474-00-8, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3474-01-9, Anthraquinone, 1,4-bis[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3522-36-9, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-s-triazin-2-yl]amino]- 31620-74-3, Naphth[2,3-c]acridan-5,8,14-trione, [[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 31620-75-4, Naphth[2,3-c]acridan-5,8,14-trione, [[4-(2-butoxyethoxy)-6-(butylamino)-s-triazin-2-yl]amino]- 31624-63-2, Naphth[2,3-c]acridan-5,8,14-trione, [[4-chloro-6-[(3-

WO 2002066450 A3 20021205

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
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US 2003073732 A1 20030417

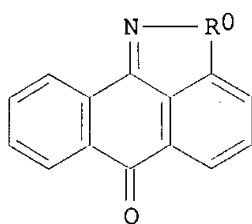
US 2002-71390 20020207 <--

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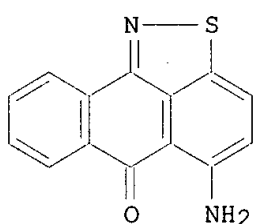
US 2002-71390 A 20020207

OS MARPAT 137:201301

GI



I



II

AB The title compds. [(un)substituted I; R0 = CH2, SO, O, SO2, S], useful for treating or preventing a disorder alleviated by inhibiting Jun N-terminal kinase (JNK), were prep'd. Thus, treating 1-aminoanthraquinone with NH4SCN in the presence of H2SO4 in DMSO followed by heating the thiocyanate-addn. intermediate in liq. ammonia in a bomb to 140.degree. for 5 h afforded II which showed IC50 of 1 .mu.M for JNK2 and 400 nM for JNK3.

ST JNK inhibitor isothiazoloanthrone isoxazoloanthrone isoindolanthrone prepn

IT Intestine, disease

(Crohn's, treatment of; prepn. of isothiazoloanthrones,
 isoxazoloanthrones, isoindolanthrone as JNK inhibitors)

IT Nervous system, disease

(Huntington's chorea, treatment of; prepn. of isothiazoloanthrones,
 isoxazoloanthrones, isoindolanthrone as JNK inhibitors)

IT Nervous system, disease

(amyotrophic lateral sclerosis, treatment of; prepn. of
 isothiazoloanthrones, isoxazoloanthrones, isoindolanthrone as JNK
 inhibitors)

IT Artery

(angioplasty, treatment of restenosis following angioplasty; prepn. of
 isothiazoloanthrones, isoxazoloanthrones, isoindolanthrone as JNK
 inhibitors)

IT Antiartherosclerotics

(antiatherosclerotics; prepn. of isothiazoloanthrones,
 isoxazoloanthrones, isoindolanthrone as JNK inhibitors)

IT Bronchi, disease

(bronchitis, treatment of; prepn. of isothiazoloanthrones,
 isoxazoloanthrones, isoindolanthrone as JNK inhibitors)

IT Nervous system, disease

(central, treatment of central neurol. degenerative disorders; prepn.
 of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrone as JNK
 inhibitors)

IT Lung, disease

(chronic obstructive, treatment of; prepn. of isothiazoloanthrones,
 isoxazoloanthrones, isoindolanthrone as JNK inhibitors)

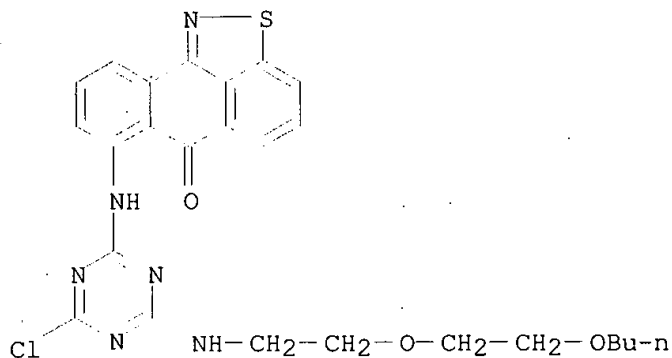
IT Intestine, disease

methoxypropyl)amino]-s-triazin-2-yl]amino]-
(prepn. of)

IT 3352-44-1, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-s-triazin-2-yl]amino]-
3522-36-9, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-s-triazin-2-yl]amino]-
(prepn. of)

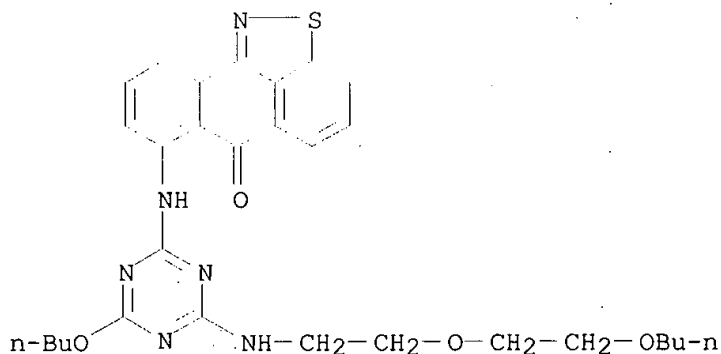
RN 3352-44-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 3522-36-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



L9 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS

AN 1963:403988 HCAPLUS

DN 59:3988

OREF 59:788c-e

TI Sulfonated vat dyes

PA CIBA Ltd.

SO 23 pp.

DT Patent

LA Unavailable

CC 46 (Dyes)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 621286		19630211	BE	
	GB 991976			GB	

PRAI CH 19610811

AB Vat dyes of the anthraquinone and perylenetetracarboxylic acid type contg. five-membered heterocyclic rings are sulfonated by treatment with 10-27% oleum. Thus, a soln. of I 10 in 27% oleum 230 parts is stirred for 1 hr. at ambient temp., 4 hrs. at 50.degree. and 17 hrs. at 80-5.degree., poured on 1000 parts ice and the ppt. filtered. The dye is slurried in 1000 parts H2O, the pH adjusted to 8.0 and the product repptd. by addn. of NaCl at 50-60.degree., to yield a mixture of dyes contg. 2-3 SO3Na groups and dyeing cotton in gray shades. Similarly treated are (parent dye, no. of SO3Na groups introduced, and shade on cotton given): II, 1, blue; C. I. Vat Brown 1 (C.I. 70800), 2, brown; C. I. Vat Green 8 (C. I. 71050), 2-3, olive green; III, 2-3 dark brown; IV, 1-2, blue. Prepn. of III: To a suspension of diaminoacedianthrone 4.36 in 1-ClC10H7 at 28.degree. is added 2-chlorobenzothiazole 3.5 parts, the mixt. stirred for 9 hrs. at 240.degree., cooled, filtered, and the cake boiled with EtOH, to give a dark brown, difficultly vatable material. IV is similarly prepd. from aminodibenzanthrone

IT Dyes
Dyes

(vat, sulfonated)

IT Dinaphtho[2,3-a:2',3'-i]naphth[2',3':6,7]indolo[2,3-c]carbazoledisulfonic acid, 5,10,15,16,17,22,23,24-hexahydro-5,10,15,17,22,24-hexaoxo-, disodium salt

IT Acids, catalysts in polymerization
(polymers of unsatd., with olefins, cross-linking by alkalies and salts)

IT 6H-Tetranaphtho[2,3-a:2',3'-a':2'',3''-i:2''',3'''-i']pyrrolo[2,3-c:5,4-c']dicarbazole-5,7,12,17,22,24,29,31-octone, 23,30-dihydro-Bisnaphth[2',3':6,7]indolo[2,3-c:2',3'-c']dinaphtho[2,3-i:2',3'-i']benzo[1,2-a:5,4-a']dicarbazole-5,7,9,14,19,24,26,28,33,38-decane, 6,8,25,27-tetrahydro-(sulfonation of)

IT 108242-56-4, Anthra[2,1,9-mna]benz[6,7]indazolo[2,3,4-fgh]acridinesulfonic acid, 14-chloro-5,10-dihydro-5,10-dioxo-17-phenyl-, sodium salt
(prepn. of)

IT 2475-33-4, Dinaphtho[2,3-a:2',3'-i]naphth[2',3':6,7]indolo[2,3-c]carbazole-5,10,15,17,22,24-hexone, 16,23-dihydro- 107781-47-5, Aceanthryleno[2,1-a]aceanthrylene-5,13-dione, bis(2-benzothiazolylamino)-108397-81-5, Violanthrone, (2-benzothiazolylamino)-(sulfonation of)

=> d all hitstr 118

L18 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS

AN 2002:658099 HCAPLUS

DN 137:201301

TI Preparation of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors

IN Sakata, Steven T.; Raymon, Heather K.

PA Signal Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 196 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07D275-04

ICS A61K031-425; A61P043-00; C07D417-12

CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066450	A2	20020829	WO 2002-US4283	20020213 <--

SO 8 pp.
 DT Patent
 LA Unavailable
 IC C09B
 CC 46 (Dyes)
 FAN.CNT 1

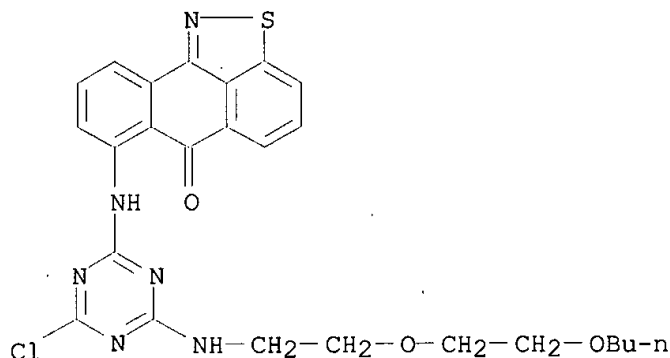
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 960235		19640610	GB	19610808
GI	For diagram(s), see printed CA Issue.				
AB	<p>Comps. of the general formula I, where 1 or 2 of Z, Z1, Z2, Z3, and Z4 is A, are prepd. Aq. dispersions of the prepd. dyes give fast dyeings on aromatic polyester textile materials (II). Thus, 16.65 parts I [Z = A (X = Y = Cl), Z1 = Z2 = Z3 = Z4 = H] in 100 parts .omicron.-C6H4Cl2 is agitated 4 hrs. at 70-80.degree. with 8 parts MeO(CH2)3NH2 in 50 parts .omicron.-C6H4Cl2 to give I [Z = A [X = Cl, Y = MeO(CH2)3NH], Z1 = Z2 = Z3 = Z4 = H] (III), a greenish yellow powder, yellow on II. III (5 parts) is added to MeNH2 in 50 parts cresol, and the mixt. is agitated at 80.degree. as addnl. MeNH2 is introduced to give I [Z = A [X = MeO(CH2)3NH, Y = MeNH], Z1 = Z2 = Z3 = Z4 = H], a yellow powder, yellow on II. Similarly prepd. are the following I (Z, Z1, Z2, Z3, Z4, appearance, and color on II given): A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, H, H, H, yellow powder, yellow; A[X = MeO(CH2)3NH, Y = HOCH2CH2NH], H, H, H, H, yellow powder, yellow; A[X = MeO(CH2)3NH, HOCH2CH2NH], H, MeO, H, H, --, orange-scarlet; A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, MeO, H, H, --, yellow-orange; A[X = MeO(CH2)3NH, Y = MeNH], H, OH, H, H, --, bluish red; A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, A[X = MeO(CH2)3NH, Y = EtOCH2CH2O], H, H, --, red-violet; NH2, Me, A[X = MeO(CH2)3NH, Y = BuNH], H, H, --, red-violet; OH, A[X = Y = MeO(CH2)3NH], OH, H, H, dull red powder, orange-scarlet; A[X = MeO(CH2)3NH, Y = MeNH], H, PhNH, H, H, dark blue powder, blue; A[X = EtOCH2CH2O, Y = MeOCH2CH2O(CH2)3NH], H, H, H, H, --, greenish yellow; NH2, MeO, A[X = MeO(CH2)3NH, Y = MeNH], H, H, --, red; A[X = MeO(CH2)3NH, Y = MeOH], H, OH, A[X = MeO(CH2)3NH, Y = MeNH], OH, --, blue; NH2, PhO, A[X = EtO(CH2)3NH, Y = (HOCH2CH2)2N], H, H, --, blue-red; NH2, CO2Me, A(X = Y = EtOCH2CH2O), H, H, --, reddish blue. Similarly prepd. are (appearance and color on II given): 6-[4'-(.gamma.-methoxypropylamino)-6'-ylamino]phthaloyl-3',4'-acridone, --, blue; 5-[4'-[.beta.-(.beta.-butoxyethoxy)ethylamino]-6'-butoxy-1',3',5'-triazin-2'-ylamino]isothiazoloanthrone, --, orange; 4-[4'-(butylamino)-6'-[.beta.-butoxyethoxy)-1',3',5'-triazin-2'-ylaminolphthaloyl-3',4'-acridone, --, bluish red. Also prepd. are the following I (Z, Z1, Z2, Z3, Z4, and color on II given): A[X = MeO(CH2)3NH, Y = Cl], H, MeO, H, H, yellow-orange; A[X = MeO(CH2)3NH, Y = Cl], H, OH, H, H, red; A(X = EtOCH2CH2O, Y = Cl), H, H, H, H, yellow; A[X = MeO(CH2)3NH, Y = Cl], H, A[X = MeO(CH2)3NH, Y = Cl], H, H, bluish red; A[X = MeO(CH2)3NH, Y = Cl], H, H, H, A[X = MeO(CH2)3NH, Y = Cl], yellow-orange; NH2, Me, A[X = MeO(CH2)3NH, Y = Cl], H, H, blue-red; NH2, Me, A(X = Y = Cl), H, H, --; OH, A(X = Y = Cl), OH, H, H, --; A[X = MeO(CH2)3NH, Y = Cl], H, PhNH, H, H, --; A(X = Y = Cl), H, PhNH, H, H, --; A[X = MeOCH2CH2O(CH2)3NH, Y = Cl], H, H, H, H, --; NH2, MeO, A[X = MeO(CH2)3NH, Y = Cl], H, H, bright bluish red; NH2, MeO, A(X = Y = Cl), H, H, --; A[X = MeO(CH2)3NH, Y = Cl], H, OH, A[X = MeO(CH2)3NH, Y = Cl], OH, --; NH2, PhO, A(X = Y = Cl), H, H, --; NH2, PhO, A[X = N(CH2CH2OH)2, Y = Cl], H, H, --; NH2, CO2Me, A(X = Y = Cl), H, H, --. Also prepd. are: 6-[4'-(.gamma.-methoxypropylamino)-6'-chloro-1',3',5'-triazin-2'-ylamino]phthaloyl-3',4'-acridone (blue on II); 5-[4'-[.beta.-(.beta.-butoxyethoxy)ethylamino]-6'-chloro-1',3',5'-triazin-2'-ylamino]isothiazoloanthrone; 6-[4'-[.beta.-butoxyethyl-amino)-6'-chloro-1',3',5'-triazin-2'-ylamino] - N - methylantrapyridone; 6-(4',6'-dichloro-1',3',5'-triazin-2'-ylamino)-N-methylantrapyridone.</p>				
IT	Dyes				
	(anthraquinone, disperse, s-triazine-contg., Dacron)				
IT	Dacron				

(dyes for, anthraquinone derivs. as)

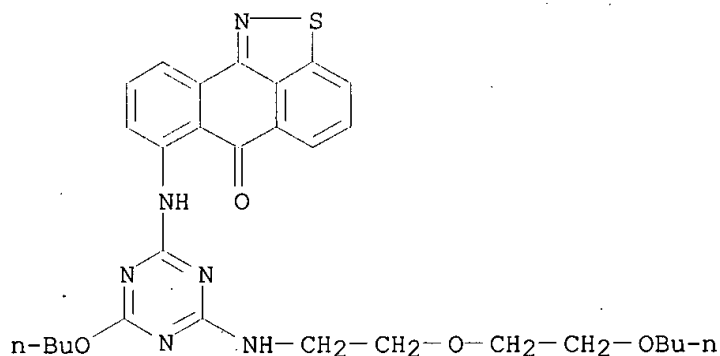
IT 3H-Dibenz[fij]isoquinoline-2,7-dione, 6-[(4,6-dichloro-s-triazin-2-yl)amino]-3-methyl-
 3H-Dibenz[fij]isoquinoline-2,7-dione, 6-[[4-[(2-butoxyethyl)amino]-6-chloro-s-triazin-2-yl]amino]-3-methyl-
 Anthraquinone, 1-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]-
 Anthraquinone, 1-anillino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-
 IT 3171-48-0, Anthraquinone, 1-[[4-[(2-hydroxyethyl)amino]-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-49-1, Anthraquinone, 1-[[4-[(2-hydroxyethyl)amino]-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-50-4, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-51-5, Anthraquinone, 1-hydroxy-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-52-6, Anthraquinone, 1-amino-4-[[4-(butylamino)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methyl- 3171-53-7, Anthraquinone, 1,4-dihydroxy-2-[[4,6-bis[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-54-8, Anthraquinone, 1-anilino-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-55-9, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[[3-(2-methoxyethoxy)propyl]amino]-s-triazin-2-yl]amino]- 3171-56-0, Anthraquinone, 1-amino-2-methoxy-4-[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-57-1, Anthraquinone, 1,5-dihydroxy-4,8-bis[[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 3171-58-2, Anthraquinone, 1-amino-4-[[4-bis(2-hydroxyethyl)amino]-6-[(3-ethoxypropyl)amino]-s-triazin-2-yl]amino]-2-phenoxy- 3171-59-3, 2-Anthroic acid, 1-amino-4-[[4,6-bis(2-ethoxyethoxy)-s-triazin-2-yl]amino]-9,10-dihydro-9,10-dioxo-, methyl ester 3171-60-6, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-methoxy- 3171-61-7, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4-hydroxy- 3171-62-8, Anthraquinone, 1-[[4-chloro-6-(2-ethoxyethoxy)-s-triazin-2-yl]amino]- 3171-63-9, Anthraquinone, 1,4-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-64-0, Anthraquinone, 1,8-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-65-1, Anthraquinone, 1-amino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methyl- 3171-66-2, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-methyl- 3171-67-3, Anthraquinone, 2-[(4,6-dichloro-s-triazin-2-yl)amino]-1,4-dihydroxy- 3171-69-5, Anthraquinone, 1-anilino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3171-70-8, Anthraquinone, 1-[[4-chloro-6-[[3-(2-methoxyethoxy)propyl]amino]-s-triazin-2-yl]amino]- 3171-71-9, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-methoxy- 3171-72-0, Anthraquinone, 1-amino-4-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-2-methoxy- 3171-73-1, Anthraquinone, 1,5-bis[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-4,8-dihydroxy- 3171-74-2, Anthraquinone, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-2-phenoxy- 3171-75-3, Anthraquinone, 1-amino-4-[[4-chloro-6-bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-2-phenoxy- 3171-76-4, 2-Anthroic acid, 1-amino-4-[(4,6-dichloro-s-triazin-2-yl)amino]-9,10-dihydro-9,10-dioxo-, methyl ester 3352-43-0, Anthraquinone, 1-[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3352-44-1, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-s-triazin-2-yl]amino]- 3474-00-8, Anthraquinone, 1-[[4-chloro-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3474-01-9, Anthraquinone, 1,4-bis[[4-(2-ethoxyethoxy)-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]- 3522-36-9, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-s-triazin-2-yl]amino]- 31620-74-3, Naphth[2,3-c]acridan-5,8,14-trione, [[4-[(3-methoxypropyl)amino]-6-(methylamino)-s-triazin-2-yl]amino]- 31620-75-4, Naphth[2,3-c]acridan-5,8,14-trione, [[4-(2-butoxyethoxy)-6-(butylamino)-s-triazin-2-yl]amino]- 31624-63-2, Naphth[2,3-c]acridan-5,8,14-trione, [[4-chloro-6-[(3-

methoxypropyl)amino]-s-triazin-2-yl]amino]-
(prepn. of)

IT **3352-44-1**, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-s-triazin-2-yl]amino]-
3522-36-9, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-s-triazin-2-yl]amino]-
(prepn. of)
RN 3352-44-1 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 3522-36-9 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



L9 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS

AN 1963:403988 HCAPLUS

DN 59:3988

OREF 59:788c-e

TI Sulfonated vat dyes

PA CIBA Ltd.

SO 23 pp.

DT Patent

LA Unavailable

CC 46 (Dyes)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 621286		19630211	BE	
	GB 991976			GB	

PRAI CH 19610811

- AB Vat dyes of the anthraquinone and perylenetetracarboxylic acid type contg. five-membered heterocyclic rings are sulfonated by treatment with 10-27% oleum. Thus, a soln. of I 10 in 27% oleum 230 parts is stirred for 1 hr. at ambient temp., 4 hrs. at 50.degree. and 17 hrs. at 80-5.degree., poured on 1000 parts ice and the ppt. filtered. The dye is slurried in 1000 parts H2O, the pH adjusted to 8.0 and the product repptd. by addn. of NaCl at 50-60.degree., to yield a mixture of dyes contg. 2-3 SO3Na groups and dyeing cotton in gray shades. Similarly treated are (parent dye, no. of SO3Na groups introduced, and shade on cotton given): II, 1, blue; C. I. Vat Brown 1 (C.I. 70800), 2, brown; C. I. Vat Green 8 (C. I. 71050), 2-3, olive green; III, 2-3 dark brown; IV, 1-2, blue. Prepn. of III: To a suspension of diaminoacidianthrone 4.36 in 1-ClC10H7 at 28.degree. is added 2-chlorobenzothiazole 3.5 parts, the mixt. stirred for 9 hrs. at 240.degree., cooled, filtered, and the cake boiled with EtOH, to give a dark brown, difficultly vatable material. IV is similarly prepd. from aminodibenzanthrone
- IT Dyes
Dyes
(vat, sulfonated)
- IT Dinaphtho[2,3-a:2',3'-i]naphth[2',3':6,7]indolo[2,3-c]carbazoledisulfonic acid, 5,10,15,16,17,22,23,24-hexahydro-5,10,15,17,22,24-hexaexo-, disodium salt
- IT Acids, catalysts in polymerization
(polymers of unsatd., with olefins, cross-linking by alkalies and salts)
- IT 6H-Tetranaphtho[2,3-a:2',3'-a':2'',3''-i:2''',3'''-i']pyrrolo[2,3-c:5,4-c']dicarbazole-5,7,12,17,22,24,29,31-octone, 23,30-dihydro-Bisnaphth[2',3':6,7]indolo[2,3-c:2',3'-c']dinaphtho[2,3-i:2',3'-i']benzo[1,2-a:5,4-a']dicarbazole-5,7,9,14,19,24,26,28,33,38-decane, 6,8,25,27-tetrahydro-
(sulfonation of)
- IT 108242-56-4, Anthra[2,1,9-mna]benz[6,7]indazolo[2,3,4-fgh]acridinesulfonic acid, 14-chloro-5,10-dihydro-5,10-dioxo-17-phenyl-, sodium salt
(prepn. of)
- IT 2475-33-4, Dinaphtho[2,3-a:2',3'-i]naphth[2',3':6,7]indolo[2,3-c]carbazole-5,10,15,17,22,24-hexone, 16,23-dihydro- 107781-47-5, Aceanthryleno[2,1-a]aceanthrylene-5,13-dione, bis(2-benzothiazolylamino)-108397-81-5, Violanthrone, (2-benzothiazolylamino)-
(sulfonation of)

=> d all hitstr 118

L18 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS

AN 2002:658099 HCAPLUS

DN 137:201301

TI Preparation of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors

IN Sakata, Steven T.; Raymon, Heather K.

PA Signal Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 196 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07D275-04

ICS A61K031-425; A61P043-00; C07D417-12

CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066450	A2	20020829	WO 2002-US4283	20020213 <--

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STRUCTURE FILE UPDATES: 13 JUL 2003 HIGHEST RN 547695-13-6
 DICTIONARY FILE UPDATES: 13 JUL 2003 HIGHEST RN 547695-13-6

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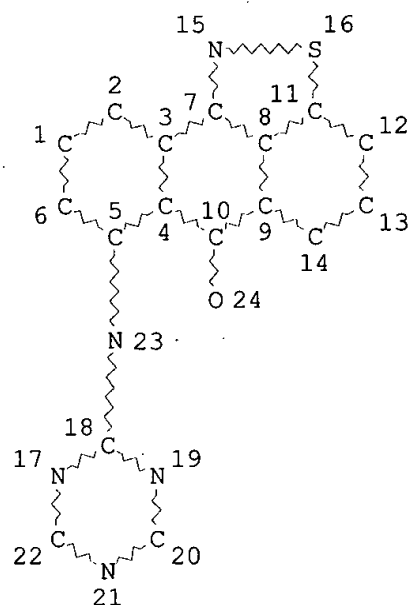
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 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que 13

L1 STR



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NODE ATTRIBUTES:
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE
 L3 60 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 61 ITERATIONS
 SEARCH TIME: 00.00.01

60 ANSWERS

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(FILE 'REGISTRY' ENTERED AT 13:13:16 ON 15 JUL 2003)

L3 60 S L1 FUL
SAV L3 BOB071/A

FILE 'HCAOLD' ENTERED AT 13:15:04 ON 15 JUL 2003

L4 2 S L3
SEL AN
EDIT /AN /OREF

FILE 'HCAPLUS' ENTERED AT 13:15:45 ON 15 JUL 2003

L5 4 S E1-E2
L6 2 S L5 AND (EATON ?/AU OR VAT DYES/TI)
L7 10 S L3
L8 1 S L6 AND L7
L9 2 S L6,L8
L10 1 S L7 AND (US20030073732/PN OR WO2002-US4283/AP,PRN)
L11 1 S L7 AND (SAKATA ? OR RAYMON ?)/AU
L12 1 S L7 AND SIGNAL?/PA,CS
L13 3 S L9-L12
L14 10 S L7 AND (PD<=20020207 OR PRD<=20020207 OR AD<=20020207)
L15 11 S L6-L14

FILE 'USPATFULL, USPAT2' ENTERED AT 13:20:08 ON 15 JUL 2003

L16 4 S L3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 15 JUL 2003

L17 STR L1

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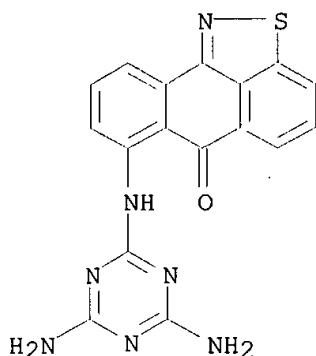
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=> d l4 all hitstr tot

L4 ANSWER 1 OF 2 HCAOLD COPYRIGHT 2003 ACS
AN CA62:1771f CAOLD
TI anthraquinone disperse dyes
AU Eaton, David C.; Irving, F.
DT Patent
TI dyes (anthraquinone disperse)

PI BE 621286
GB 991976
PI BE 621287
GB 983124
IT 2475-33-4 14999-97-4 82789-83-1 **101231-70-3** 104601-54-9
106951-50-2 107085-41-6 107541-37-7 107781-47-5 108242-56-4 108243-41-0
108373-24-6 108397-81-5
IT **101231-70-3**
RN 101231-70-3 HCAOLD
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



=> fil hcaplus
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FILE LAST UPDATED: 14 Jul 2003 (20030714/ED)

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L9 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS
AN 1965:9494 HCAPLUS
DN 62:9494
OREF 62:1771f-h,1772a-d
TI Anthraquinone disperse dyes
IN **Eaton, David C.**; Irving, Francis
PA Imperial Chemical Industries Ltd.

(colitis, treatment of mucous colitis; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Artery, disease
(coronary, restenosis, treatment of restenosis following angioplasty; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Nervous system, disease
(degeneration, treatment of central and peripheral neurol. degenerative disorders; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Esophagus, disease
(esophagitis, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Heart, disease
(failure, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Stomach, disease
(gastritis, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Heart, disease
(infarction, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Intestine, disease
(inflammatory, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Interleukin 2
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of IL-2 prodn.; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Spinal cord, disease
(injury, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Intestine, disease
(irritable bowel syndrome, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Brain, disease
Heart, disease
Kidney, disease
Liver, disease
(ischemia, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Pancreas, disease
(pancreatitis, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Nerve, disease
(peripheral neuropathy, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Nervous system, disease
(peripheral, treatment of peripheral neurol. degenerative disorders; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Anti-Alzheimer's agents
Anti-inflammatory agents
Anti-ischemic agents
Antiasthmatics
Antiparkinsonian agents
Antirheumatic agents
Antitumor agents
Cardiovascular agents
Human
Immunosuppressants
(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones

as JNK inhibitors)

IT Blood-brain barrier
(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors having enhanced ability to cross the blood brain barrier)

IT Shock (circulatory collapse)
(septic, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Neoplasm
(solid, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Spinal column, disease
(spondylitis, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Brain, disease
(stroke, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Lupus erythematosus
(systemic, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Hypertrophy
(treatment of left ventricular; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Alzheimer's disease
Asthma
Atherosclerosis
Cystic fibrosis
Dermatitis
Eczema
Epilepsy
Gout
Hepatitis
Leukemia
Multiple sclerosis
Neoplasm
Osteoarthritis
Parkinson's disease
Psoriasis
Rheumatoid arthritis
Transplant rejection
(treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT Intestine, disease
(ulcerative colitis, treatment of; prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT 289899-93-0, JNK2 kinase 291756-39-3, JNK3 kinase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT 6937-00-4P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors)

IT 82-63-3P 1773-58-6P 3352-44-1P 3522-36-9P
5654-57-9P 6313-41-3P, 6H-Anthra[9,1-cd]isothiazol-6-one 6336-95-4P
6337-02-6P 6337-05-9P 6376-67-6P 6376-68-7P 6376-69-8P
6396-95-8P 6396-96-9P 6396-97-0P 6396-98-1P 6396-99-2P
6551-50-4P 6936-99-8P 6937-72-0P 7505-56-8P 10110-27-7P
10116-20-8P 16295-08-2P 16371-30-5P 16388-78-6P 16388-79-7P
16388-80-0P 16388-81-1P 16388-82-2P 16388-83-3P 16388-84-4P
16388-85-5P 16426-75-8P 21277-60-1P 21277-61-2P 21278-49-9P

21278-50-2P 22519-80-8P 22519-81-9P 23741-83-5P 24019-39-4P
 24355-94-0P 27078-11-1P 29601-38-5P **29723-19-1P**
43164-36-9P 50988-01-7P 50988-02-8P 52434-55-6P
 53697-28-2P 53697-29-3P 53814-97-4P 53896-80-3P 56794-82-2P
 56795-04-1P 61931-40-6P 62345-08-8P 62345-09-9P 63973-07-9P,
 6H-Anthra[9,1-cd]isoxazol-6-one 67174-92-9P 67174-93-0P 67174-94-1P
 67174-95-2P 67174-96-3P **70277-36-0P 70277-37-1P**
70277-38-2P 70277-39-3P 70277-40-6P
70277-41-7P 70277-42-8P 70277-43-9P
70277-44-0P 70277-45-1P 70277-46-2P
70285-65-3P 78865-92-6P 96407-49-7P
96407-50-0P 96407-51-1P 96407-52-2P
96407-53-3P 96407-54-4P 96407-55-5P
96407-56-6P 96407-57-7P 96407-58-8P
96407-59-9P 96407-60-2P 96407-61-3P
96407-62-4P 96407-63-5P 96407-64-6P
96407-65-7P 96407-66-8P 96407-67-9P
96407-73-7P 96407-75-9P 96407-76-0P
96407-77-1P 96407-78-2P 96424-92-9P
 96961-39-6P 96961-40-9P 96961-41-0P 96961-42-1P 98448-15-8P
 98448-16-9P 98448-17-0P 98448-18-1P 98448-19-2P 98448-20-5P
 98448-21-6P 98448-22-7P 98655-82-4P **101231-70-3P**

102412-88-4P 102412-89-5P 102412-90-8P
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 106302-12-9P 106410-71-3P 106571-52-2P 106655-75-8P 106655-76-9P
 121526-47-4P 172304-72-2P 220273-29-0P 220273-32-5P 220273-33-6P
 220273-34-7P 220273-36-9P 220273-38-1P 220273-40-5P 220273-44-9P
 220273-46-1P 312927-17-6P 452343-49-6P 452343-50-9P 452343-51-0P
 452343-52-1P 452343-54-3P 452343-55-4P 452343-56-5P 452343-57-6P
 452343-58-7P 452343-59-8P 452343-60-1P 452343-61-2P 452343-62-3P
 452343-63-4P 452343-64-5P 452343-65-6P 452343-66-7P 452343-67-8P
 452343-68-9P 452343-69-0P 452343-70-3P 452343-71-4P 452343-72-5P
 452343-74-7P 452343-75-8P 452343-76-9P 452343-77-0P 452343-78-1P
 452343-79-2P **452343-80-5P** 452343-81-6P 452343-82-7P
 452343-83-8P 452343-84-9P **452343-85-0P 452343-86-1P**
452343-87-2P 452343-88-3P 452343-89-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones
 as JNK inhibitors)

IT 82-45-1, 1-Aminoanthraquinone

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones
 as JNK inhibitors)

IT 452343-53-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones
 as JNK inhibitors)

IT **3352-44-1P 3522-36-9P 29723-19-1P**

43164-36-9P 70277-36-0P 70277-37-1P
70277-38-2P 70277-39-3P 70277-40-6P
70277-41-7P 70277-42-8P 70277-43-9P
70277-44-0P 70277-45-1P 70277-46-2P
70285-65-3P 78865-92-6P 96407-49-7P
96407-50-0P 96407-51-1P 96407-52-2P
96407-53-3P 96407-54-4P 96407-55-5P
96407-56-6P 96407-57-7P 96407-58-8P
96407-59-9P 96407-60-2P 96407-61-3P
96407-62-4P 96407-63-5P 96407-64-6P
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96407-73-7P 96407-75-9P 96407-76-0P

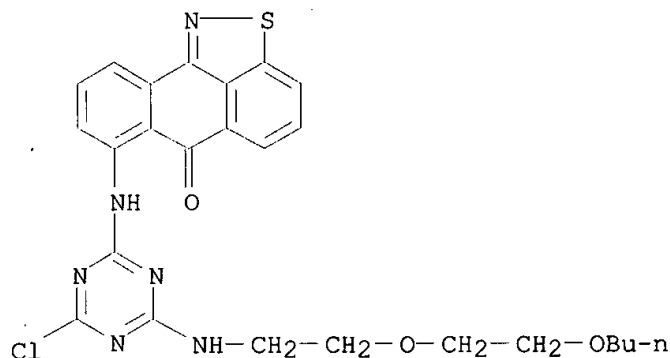
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 101231-70-3P 102412-88-4P 102412-89-5P
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 452343-85-0P 452343-86-1P 452343-87-2P
 452343-88-3P 452343-89-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones
 as JNK inhibitors)

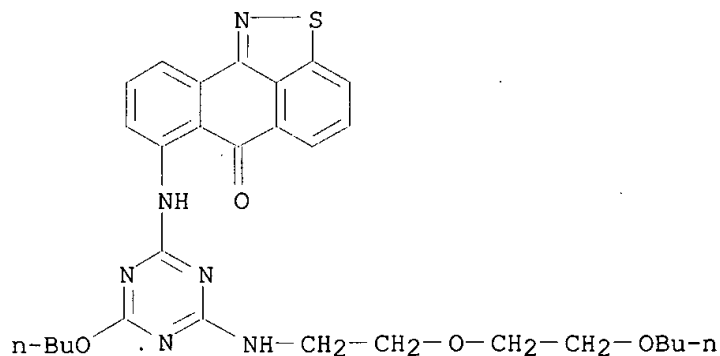
RN 3352-44-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-
 6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



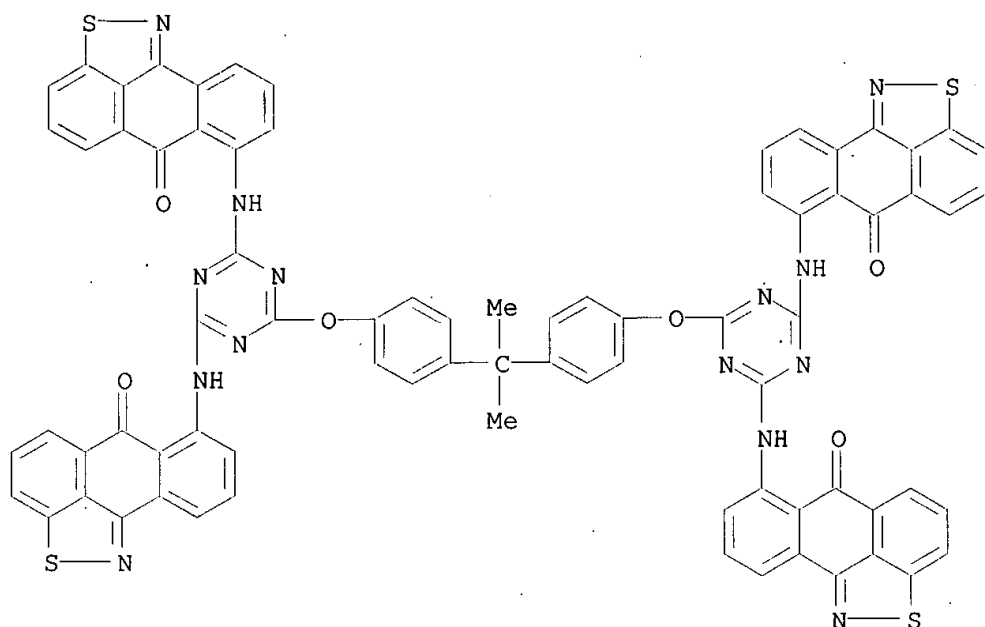
RN 3522-36-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-
 butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX
 NAME)



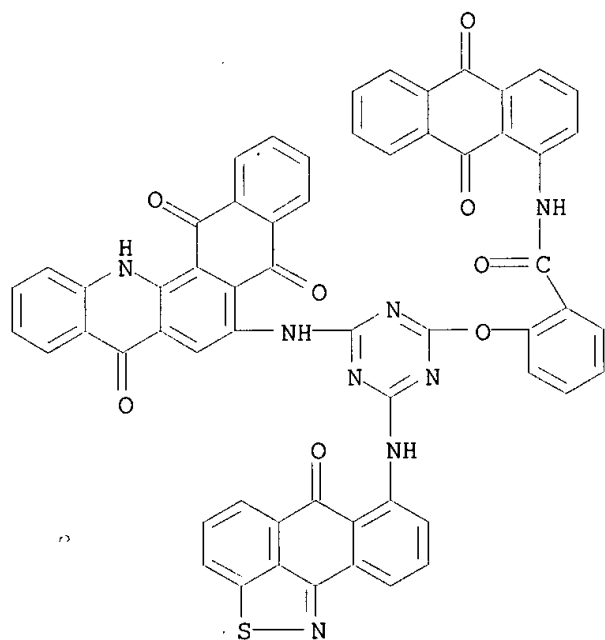
RN 29723-19-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7,7',7'',7'''-[(1-
 methylethylidene)bis(4,1-phenyleneoxy-1,3,5-triazine-6,2,4-
 triyldiimino)]tetrakis- (9CI) (CA INDEX NAME)



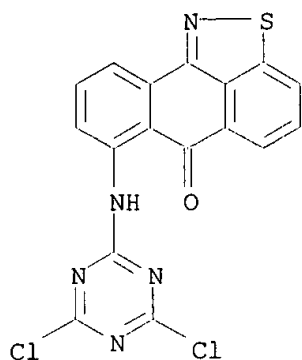
RN 43164-36-9 HCAPLUS

CN Benzamide, N-(9,10-dihydro-9,10-dioxo-1-anthracenyl)-2-[[4-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-[(5,8,13,14-tetrahydro-5,8,14-trioxonaphth[2,3-c]acridin-6-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI) (CA INDEX NAME)

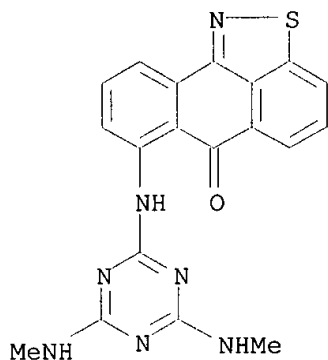


RN 70277-36-0 HCAPLUS

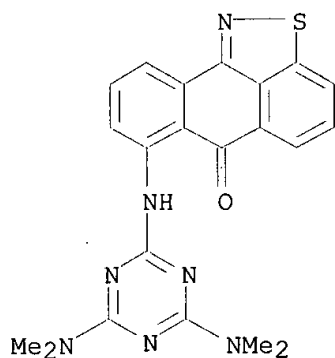
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



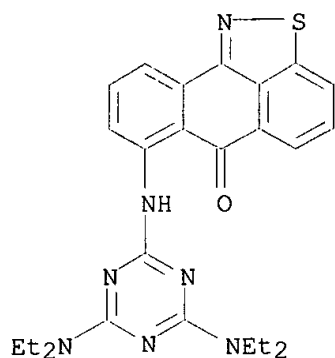
RN 70277-37-1 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(methylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



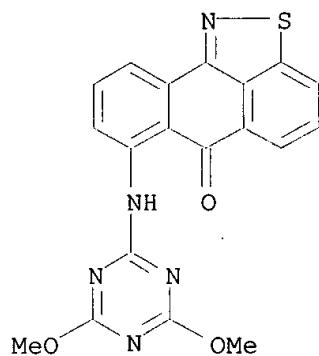
RN 70277-38-2 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



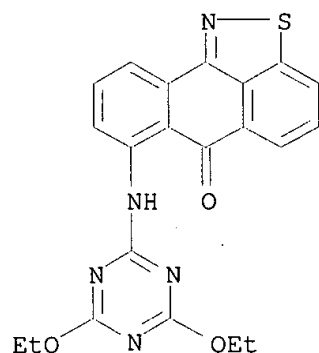
RN 70277-39-3 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(diethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



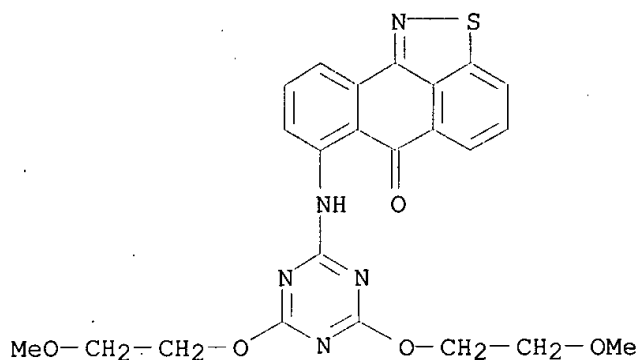
RN 70277-40-6 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dimethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



RN 70277-41-7 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)

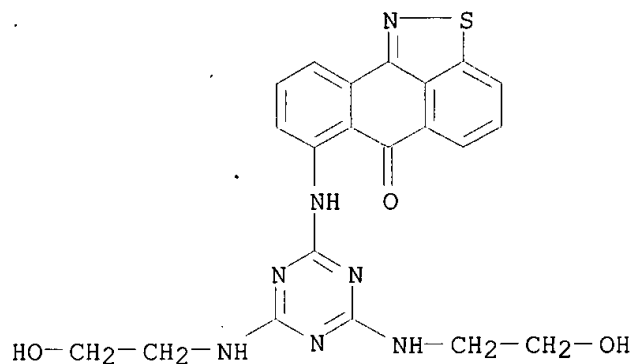


RN 70277-42-8 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



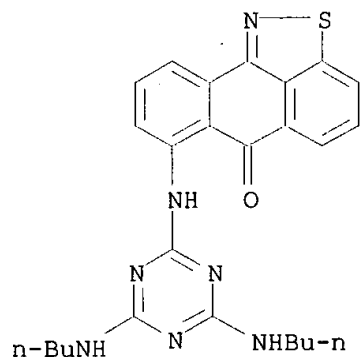
RN 70277-43-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



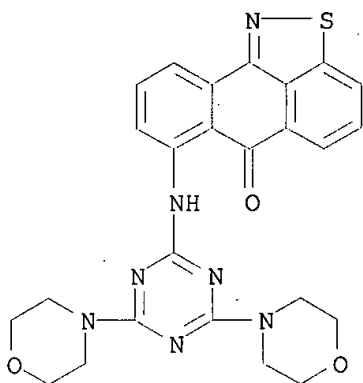
RN 70277-44-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(butylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



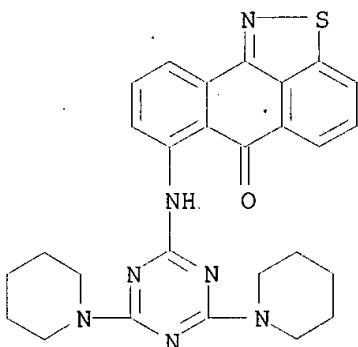
RN 70277-45-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-4-morpholinyl-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



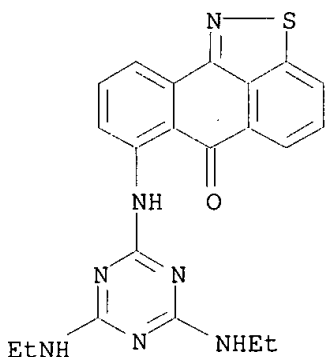
RN 70277-46-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-1-piperidinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



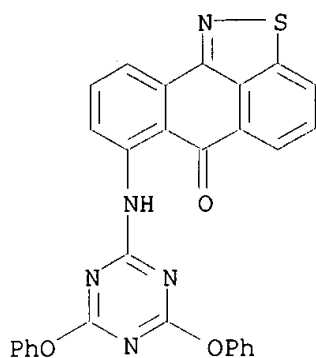
RN 70285-65-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(ethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



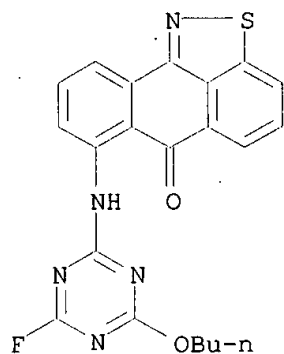
RN 78865-92-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diphenoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



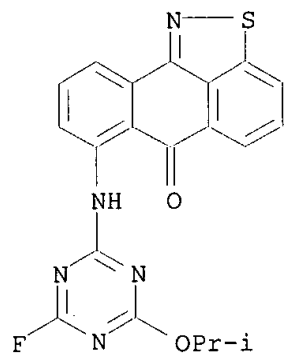
RN 96407-49-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-butoxy-6-fluoro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



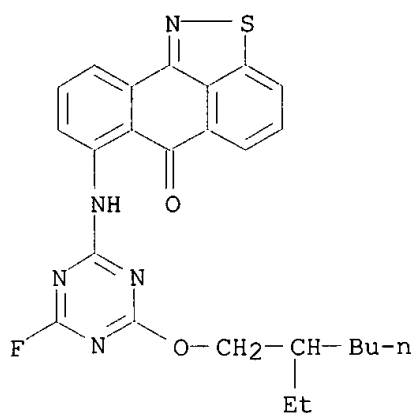
RN 96407-50-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(1-methylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



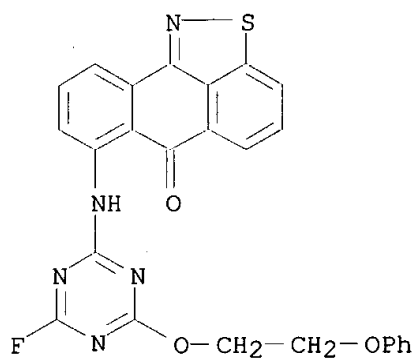
RN 96407-51-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(2-ethylhexyl)oxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



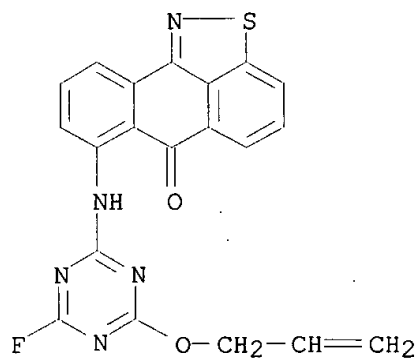
RN 96407-52-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenoxymethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



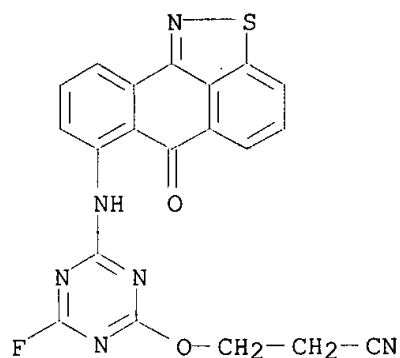
RN 96407-53-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-propenyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



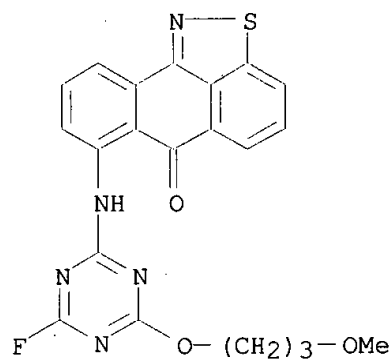
RN 96407-54-4 HCAPLUS

CN Propanenitrile, 3-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI) (CA INDEX NAME)



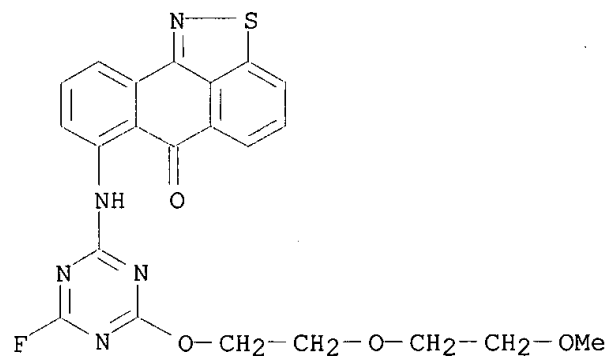
RN 96407-55-5 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



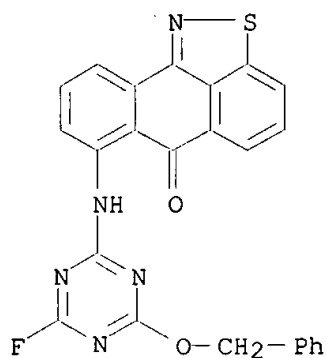
RN 96407-56-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(2-methoxyethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



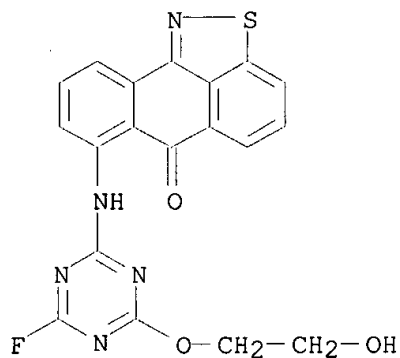
RN 96407-57-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(phenylmethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



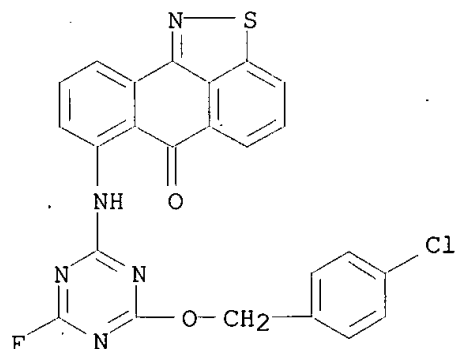
RN 96407-58-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-hydroxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



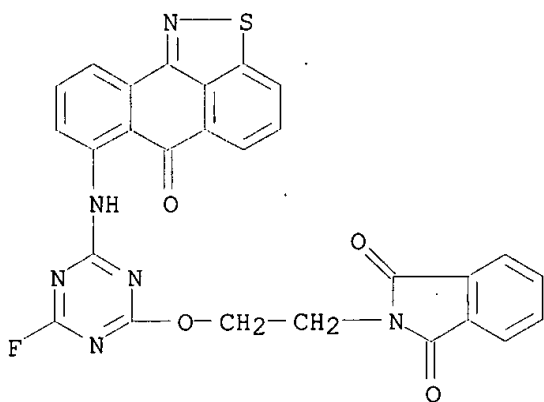
RN 96407-59-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(4-chlorophenyl)methoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



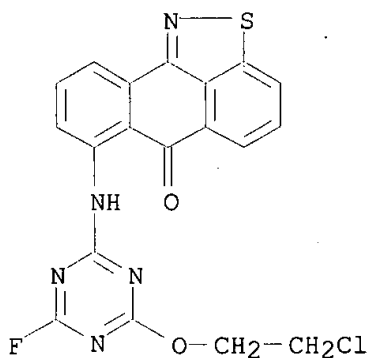
RN 96407-60-2 HCAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI) (CA INDEX NAME)



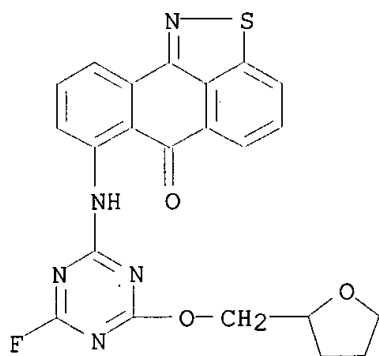
RN 96407-61-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-(2-chloroethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



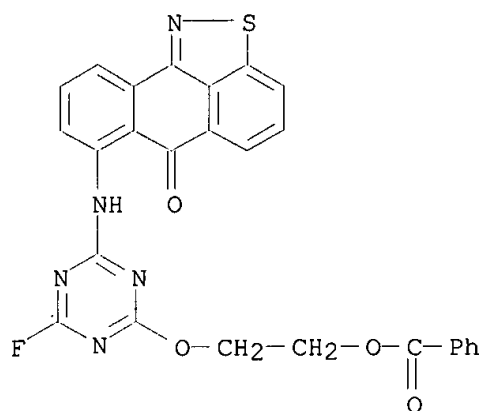
RN 96407-62-4 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[(tetrahydro-2-furanyl)methoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



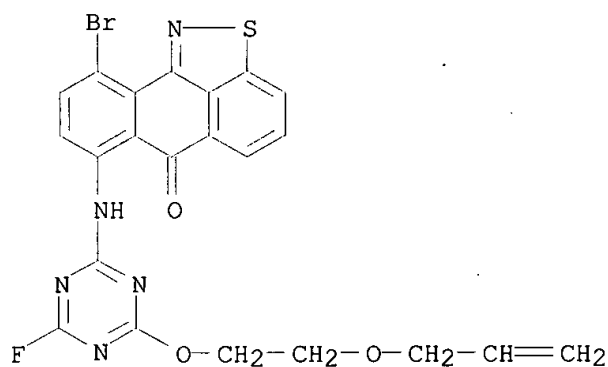
RN 96407-63-5 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[2-(benzoyloxy)ethoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



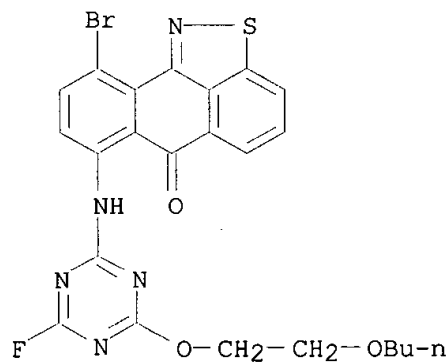
RN 96407-64-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-[2-(2-propenyloxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



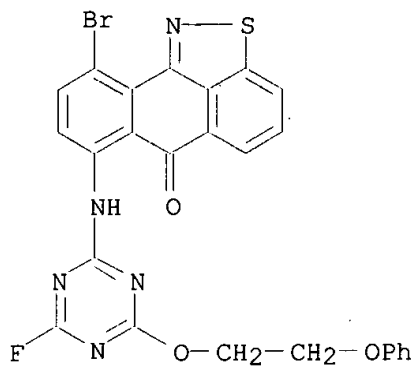
RN 96407-65-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-(2-butoxyethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



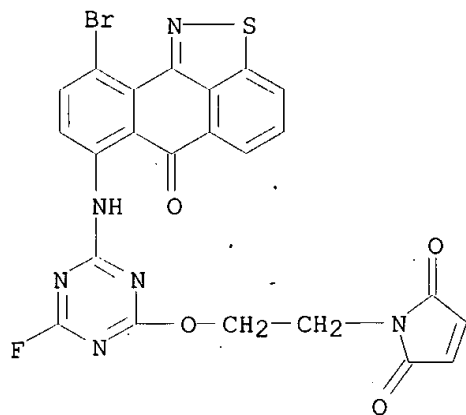
RN 96407-66-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-(2-phenoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



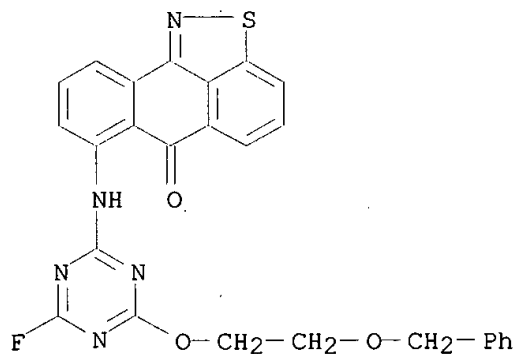
RN 96407-67-9 HCAPLUS

CN 1H-Pyrrole-2,5-dione, 1-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI)
(CA INDEX NAME)



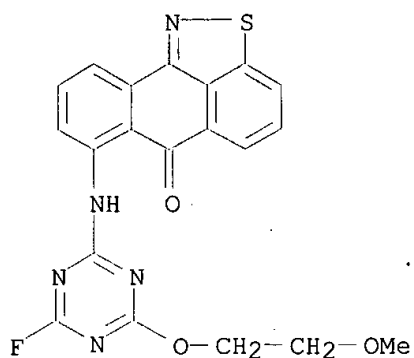
RN 96407-73-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(phenylmethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



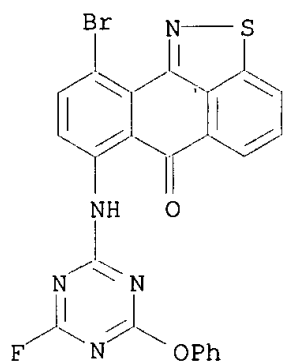
RN 96407-75-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



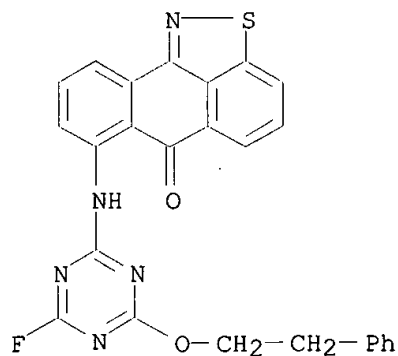
RN 96407-76-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[(4-fluoro-6-phenoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



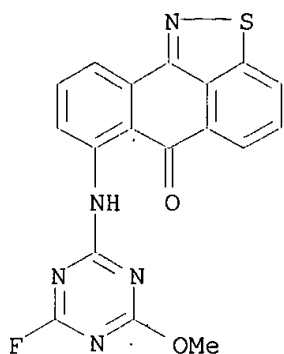
RN 96407-77-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



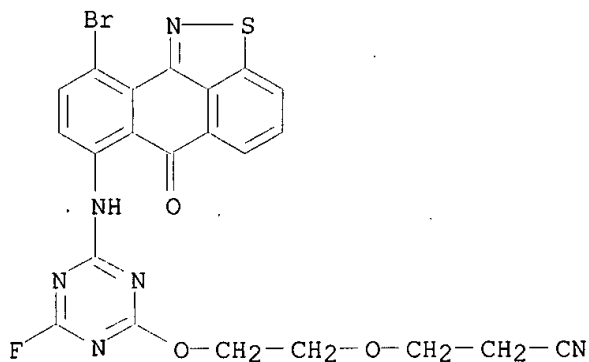
RN 96407-78-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-fluoro-6-methoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



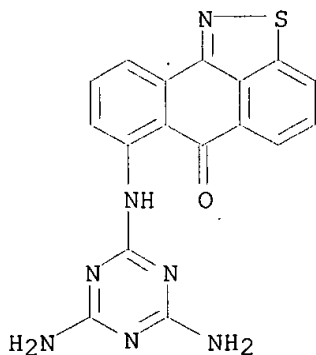
RN 96424-92-9 HCAPLUS

CN Propanenitrile, 3-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethoxy]- (9CI) (CA INDEX NAME)



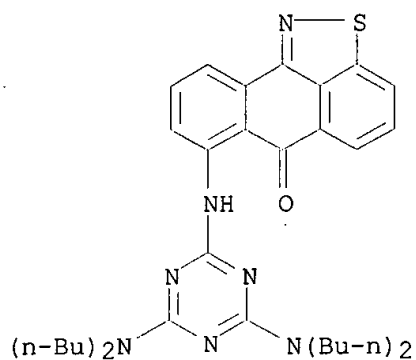
RN 101231-70-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)

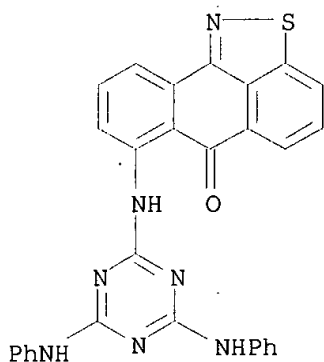


RN 102412-88-4 HCAPLUS

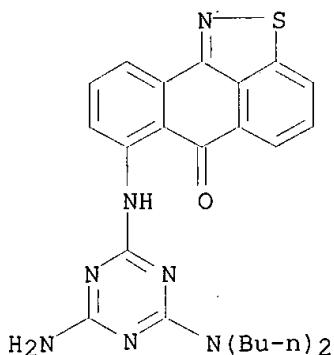
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



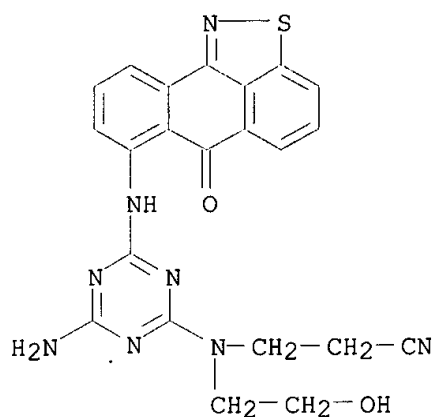
RN 102412-89-5 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 102412-90-8 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-amino-6-(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

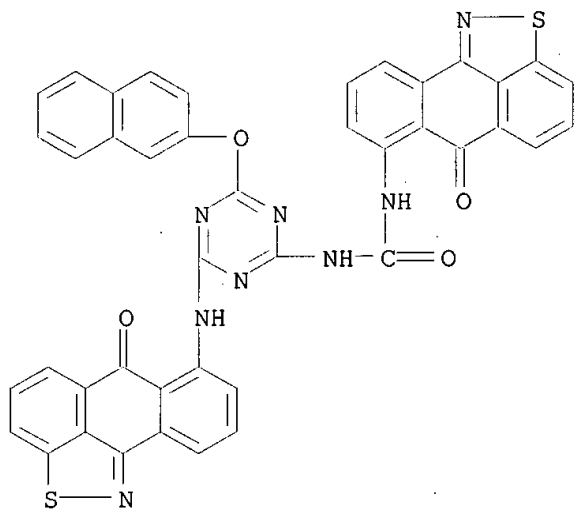


RN 102412-91-9 HCAPLUS
 CN Propanenitrile, 3-[[[4-amino-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl](2-hydroxyethyl)amino]- (9CI) (CA INDEX NAME)



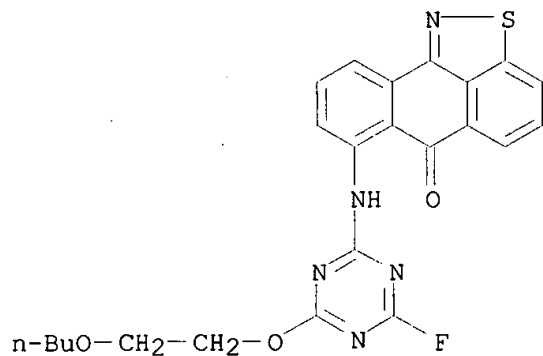
RN 452343-80-5 HCAPLUS

CN Urea, N-[4-(2-naphthalenyloxy)-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]-N'-(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)-(9CI) (CA INDEX NAME)



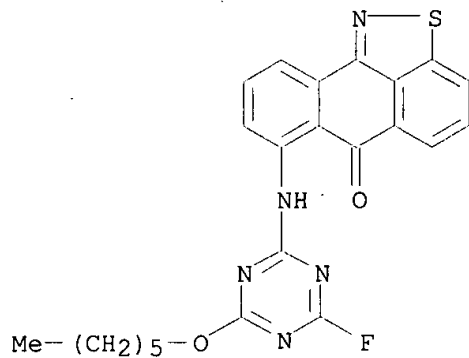
RN 452343-85-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-(2-butoxyethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



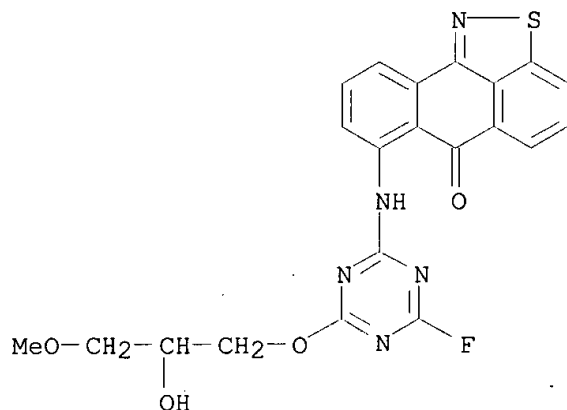
RN 452343-86-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(hexyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



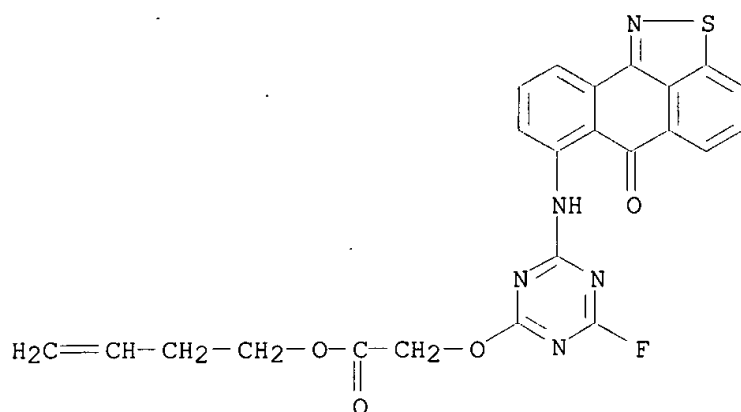
RN 452343-87-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-hydroxy-3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



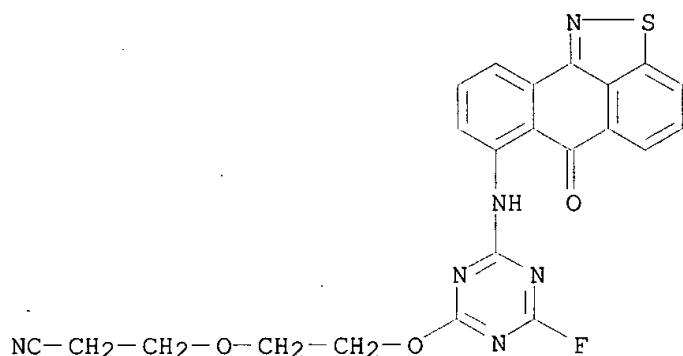
RN 452343-88-3 HCAPLUS

CN Acetic acid, [[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]-, 3-butenyl ester (9CI) (CA INDEX NAME)



RN 452343-89-4 HCAPLUS

CN Propanenitrile, 3-[2-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]ethoxy]- (9CI) (CA INDEX NAME)



=> d 119 all hitstr tot

L19 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1986:208328 HCAPLUS

DN 104:208328

TI Coloring agents for plastics

IN Niwa, Toshio; Himeno, Kiyoshi

PA Mitsubishi Chemical Industries Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C08K005-34

CC 37-6 (Plastics Manufacture and Processing)

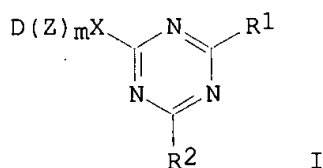
Section cross-reference(s): 41

FAN.CNT 1

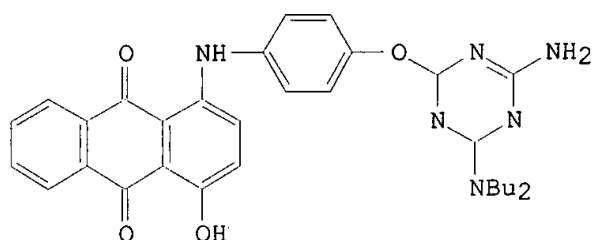
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PI	JP 60250052	A2	19851210	JP 1984-107787	19840528
	JP 06025550	A2	19940201	JP 1993-138632	19930610
	JP 07037583	B4	19950426		
	JP 06041452	A2	19940215	JP 1993-138633	19930610
	JP 07037584	B4	19950426		

PRAI JP 1984-107787
 OS CASREACT. 104:208328
 GI

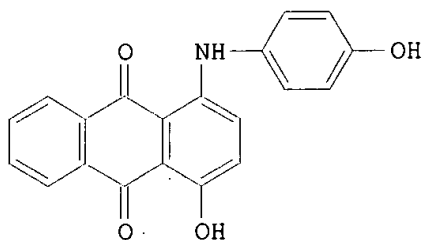
19840528



I



II



III

AB Triazine derivs. I (D = polycondensed polycyclic chromophore; Z = alkylene, arylene; $m = 0, 1$; $X = O, NH$; $R^1, R^2 = NR^3R^4, OR^5$; $R^3, R^4, R^5 = H$, alkyl, cyanoalkyl, hydroxyalkyl; alkoxyalkyl, dialkylaminoalkyl, alkenyl, cyclohexyl, aryl, aralkyl; or $NR^3R^4 = 5$ or 6-membered ring) are useful as a bleeding- and light-resistant coloring agents for plastics. Thus, 0.1 g II, prepd. from III 3.3, cyanuryl chloride 2.0, Bu_2NH 1.3, and 28% aq. NH_3 1.8 g, was mixed with 100 g polyester, pelletized at 280.degree., and injection-molded at 300.degree. to give a vivid blue-colored sample.

ST triazinyl anthraquinone deriv dye polyester

IT Polycarbonates

Polyesters, uses and miscellaneous

RL: USES (Uses)

(dyes for, chromophores contg. triazine rings as, bleeding-resistant, lightfast)

IT Dyes

(for plastics, polycondensed polycyclic chromophores contg. triazine groups as, bleeding-resistant, lightfast)

IT Dyes, anthraquinone

(triazine group-contg., bleeding- and light-resistant, for plastics)

IT 24936-68-3, uses and miscellaneous 25037-45-0

RL: USES (Uses)

(dyes for, chromophores contg. triazine rings as, bleeding-resistant, lightfast)

IT	101231-70-3	102338-39-6	102386-74-3	102386-75-4	
	102386-76-5	102386-77-6	102386-78-7	102386-79-8	102386-80-1
	102386-81-2	102386-82-3	102386-83-4	102386-84-5	102386-85-6
	102386-86-7	102386-87-8	102386-88-9	102404-96-6	102404-97-7
	102404-98-8	102404-99-9	102412-48-6	102412-49-7	102412-50-0

102412-51-1 102412-52-2 102412-53-3 102412-54-4 102412-55-5
 102412-56-6 102412-57-7 102412-58-8 102412-59-9 102412-60-2
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 102412-66-8 102412-67-9 102412-68-0 102412-69-1 102412-70-4
 102412-71-5 102412-72-6 102412-73-7 102412-74-8 102412-75-9
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 102412-86-2 102412-87-3 **102412-88-4 102412-89-5**
102412-90-8 102412-91-9 102429-58-3

RL: USES (Uses)

(dyes, for plastics, bleeding-resistant, lightfast)

IT 102412-44-2 102412-45-3 102412-46-4 102412-47-5

RL: USES (Uses)

(dyes, manuf. of bleeding- and light-resistant, for plastics)

IT 108-77-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with chromophores, in manuf. of dyes for plastics)

IT 6409-73-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with cyanuryl chloride, in manuf. of dyes for plastics)

IT **101231-70-3 102412-88-4 102412-89-5**

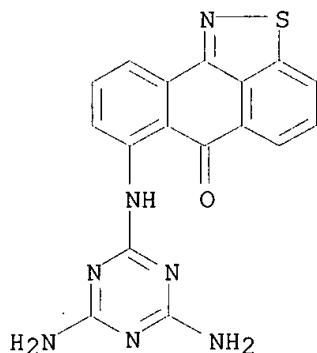
102412-90-8 102412-91-9

RL: USES (Uses)

(dyes, for plastics, bleeding-resistant, lightfast)

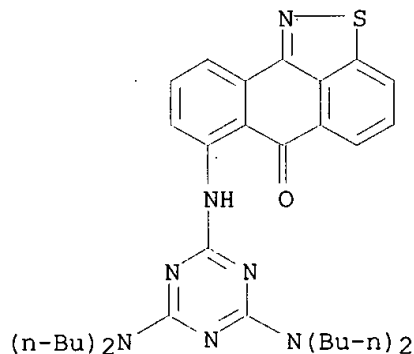
RN 101231-70-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)

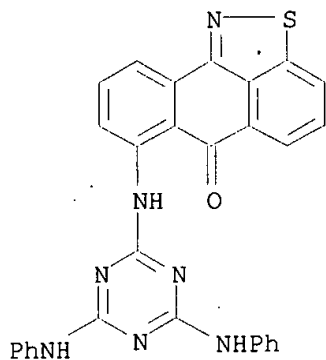


RN 102412-88-4 HCAPLUS

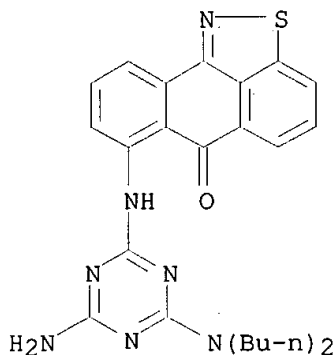
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



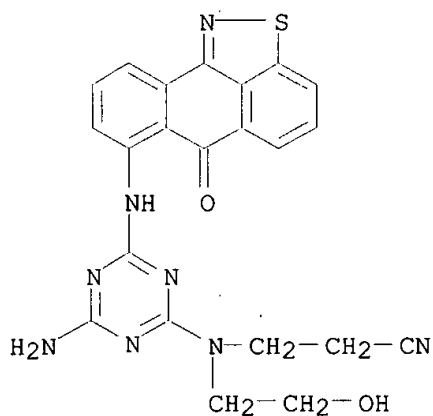
RN 102412-89-5 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 102412-90-8 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-amino-6-(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



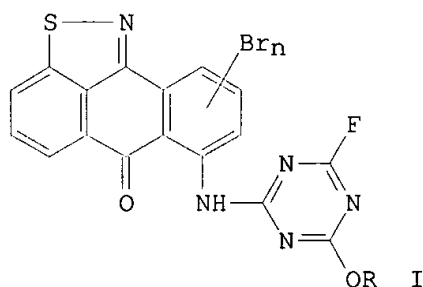
RN 102412-91-9 HCAPLUS
 CN Propanenitrile, 3-[[4-amino-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl](2-hydroxyethyl)amino]- (9CI) (CA INDEX NAME)



L19 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2003 ACS
 AN 1985:205411 HCAPLUS
 DN 102:205411
 TI Reactive anthrone dyes
 PA Mitsubishi Chemical Industries Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C09B062-06
 CC 41-4 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60028454	A2	19850213	JP 1983-137017	19830727
	JP 04037104	B4	19920618		
PRAI	JP 1983-137017		19830727		
GI					



AB I [R = H, (un)substituted alkyl, alkenyl, cyclohexyl, aryl, aralkyl; n = 0, 1, 2] were prepd. and used for printing cotton, cotton-polyester, and polyamide-rayon fabrics in yellow shades. Thus, 7-amino-6H-anthra[9,1-cd]isothiazol-6-one [6337-02-6] in N-methylpyrrolidone was treated with 2,4-difluoro-6-methoxy-s-triazine [26816-44-4] at 80.degree. for 3 h to give I (R = Me; n = 0) [96407-78-2] having better heat resistance and giving cotton-polyester prints with better wet-, perspiration, and washfastnesses than the conventional I (OR = F; n = 0).

ST anthrone reactive dye cotton polyester; polyamide rayon anthrone reactive dye

IT Polyester fibers, uses and miscellaneous
 RL: USES (Uses)
 (cotton blends, reactive dyes for, anthrone derivs. as yellow)

IT Textile printing
 (of cotton, cotton-polyester and polyamide-rayon, anthrone reactive dyes for)

IT Rayon, uses and miscellaneous
 RL: USES (Uses)
 (polyamide blends, reactive dyes for, anthrone derivs. as yellow)

IT Polyamide fibers, uses and miscellaneous
 RL: USES (Uses)
 (rayon blends, reactive dyes for, anthrone derivs. as yellow)

IT Dyes, reactive
 (yellow, anthraisothiazole derivs. contg. alkoxyfluorotriazine groups, for cotton, cotton-polyester and polyamide-rayon fabrics)

IT 96407-49-7 96407-50-0 96407-51-1
 96407-52-2 96407-53-3 96407-54-4

96407-55-5 96407-56-6 96407-57-7
 96407-58-8 96407-59-9 96407-60-2
 96407-61-3 96407-62-4 96407-63-5
 96407-64-6 96407-65-7 96407-66-8
 96407-67-9 96407-68-0 96407-69-1
 96407-70-4 96407-71-5 96407-72-6
 96407-73-7 96407-74-8 96407-75-9
 96407-76-0 96407-77-1 96407-78-2
 96424-92-9

RL: TEM (Technical or engineered material use); USES (Uses)
 (dye, yellow, for cotton, cotton-polyester and polyamide-rayon fabrics)

IT 109-86-4

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with aminoanthraisoithiazolone and cyanuric fluoride)

IT 675-14-9

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with aminoanthraisoithiazolone and methoxyethanol)

IT 26816-44-4

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with aminoanthraisoithiazolone derivs.)

IT 6337-02-6

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with fluorotriazine derivs.)

IT 96407-49-7 96407-50-0 96407-51-1

96407-52-2 96407-53-3 96407-54-4

96407-55-5 96407-56-6 96407-57-7

96407-58-8 96407-59-9 96407-60-2

96407-61-3 96407-62-4 96407-63-5

96407-64-6 96407-65-7 96407-66-8

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96407-73-7 96407-74-8 96407-75-9

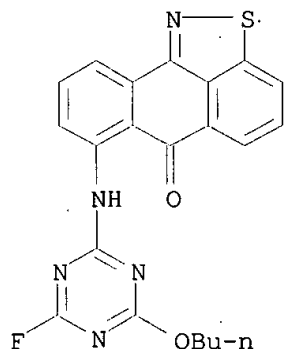
96407-76-0 96407-77-1 96407-78-2

96424-92-9

RL: TEM (Technical or engineered material use); USES (Uses)
 (dye, yellow, for cotton, cotton-polyester and polyamide-rayon fabrics)

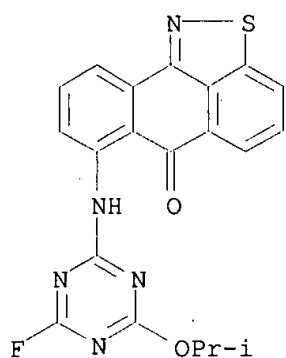
RN 96407-49-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-butoxy-6-fluoro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



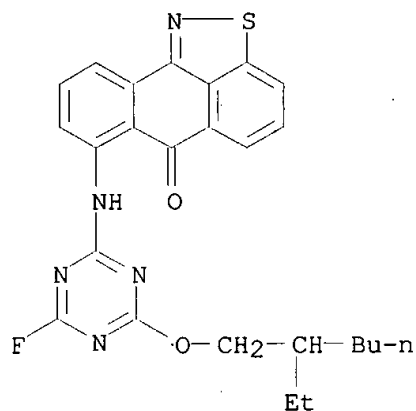
RN 96407-50-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(1-methylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



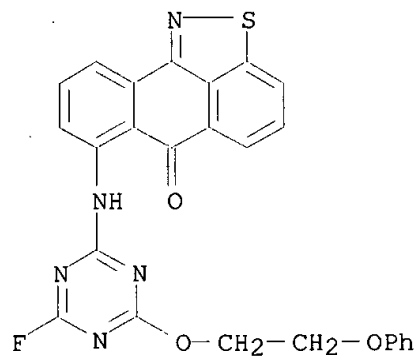
RN 96407-51-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(2-ethylhexyl)oxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



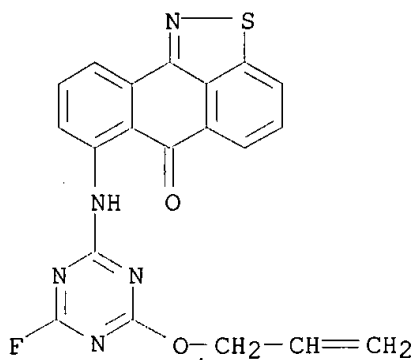
RN 96407-52-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenoxylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



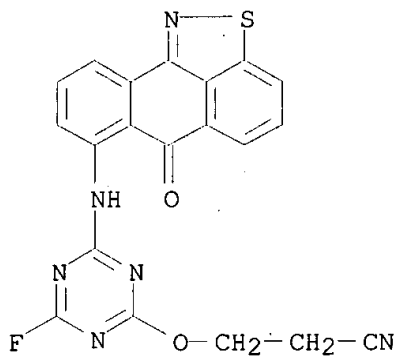
RN 96407-53-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-propenyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



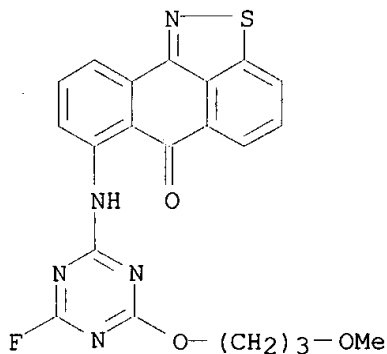
RN 96407-54-4 HCAPLUS

CN Propanenitrile, 3-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI) (CA INDEX NAME)



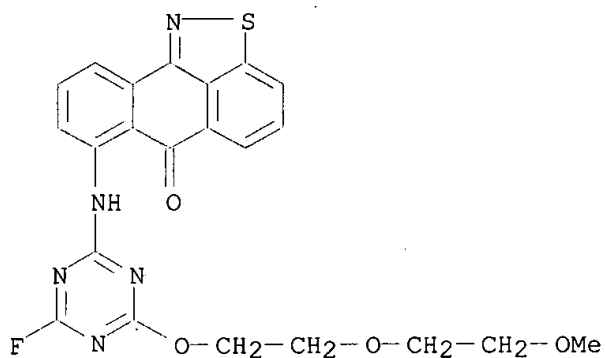
RN 96407-55-5 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



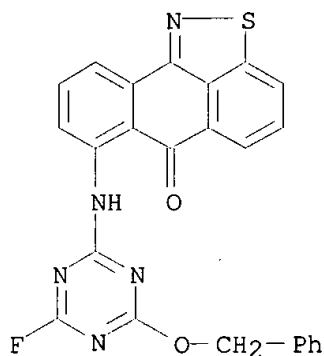
RN 96407-56-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(2-methoxyethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



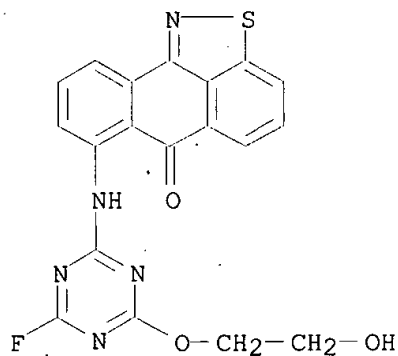
RN 96407-57-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(phenylmethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



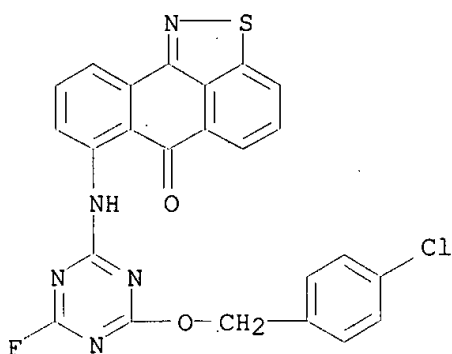
RN 96407-58-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-hydroxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



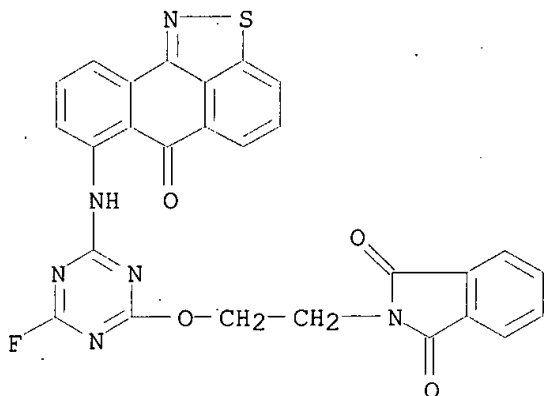
RN 96407-59-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(4-chlorophenyl)methoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



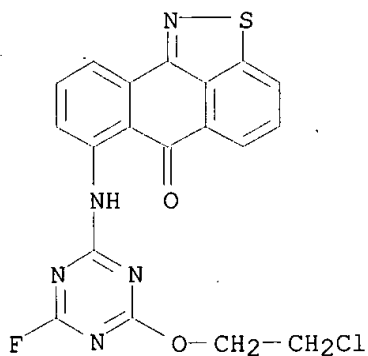
RN 96407-60-2 HCAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI) (CA INDEX NAME)



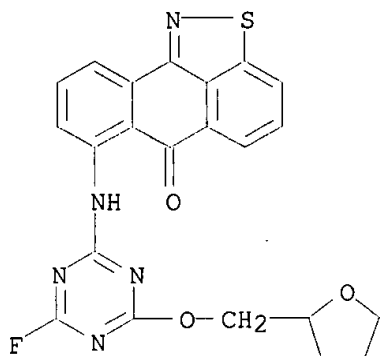
RN 96407-61-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-(2-chloroethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



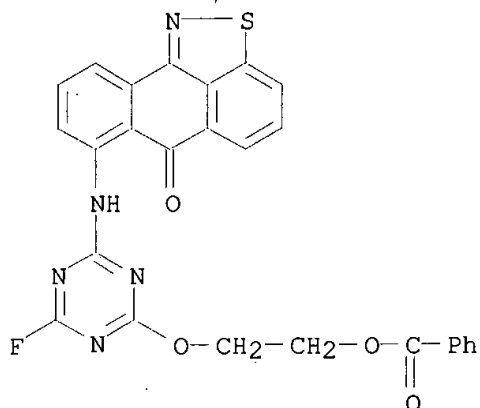
RN 96407-62-4 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[(tetrahydro-2-furanyl)methoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



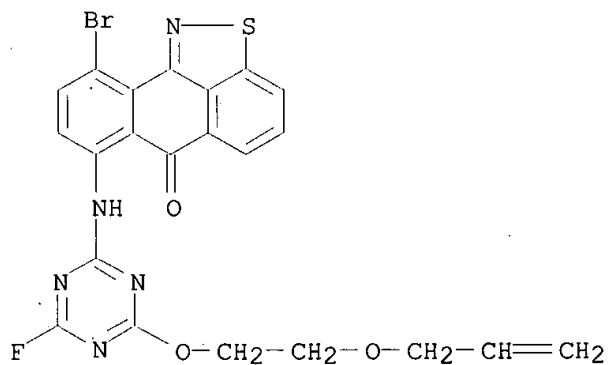
RN 96407-63-5 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[2-(benzoyloxy)ethoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



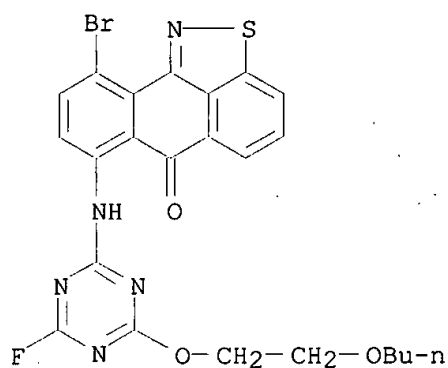
RN 96407-64-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-[2-(2-propenyloxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



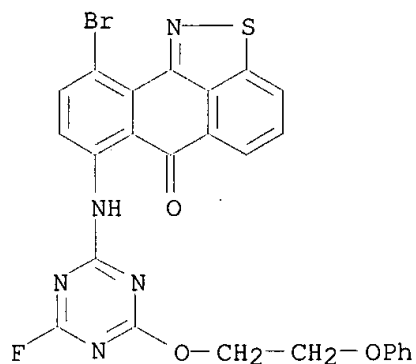
RN 96407-65-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-(2-butoxyethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



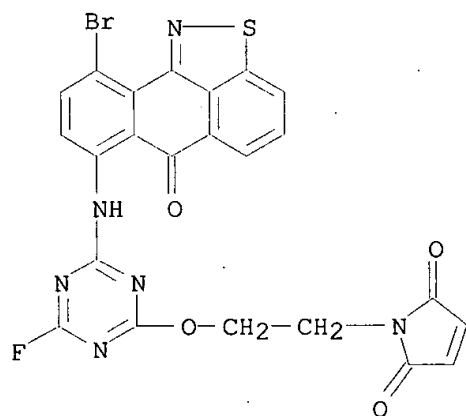
RN 96407-66-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-(2-phenoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



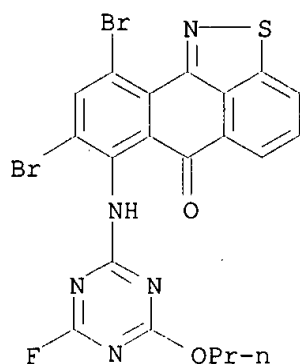
RN 96407-67-9 HCAPLUS

CN 1H-Pyrrole-2,5-dione, 1-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI) (CA INDEX NAME)



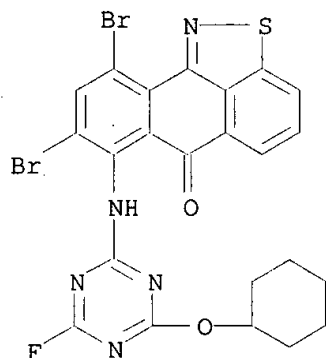
RN 96407-68-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 8,10-dibromo-7-[(4-fluoro-6-propoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



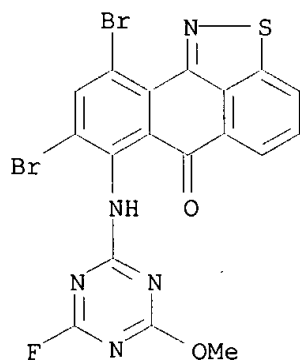
RN 96407-69-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 8,10-dibromo-7-[[4-(cyclohexyloxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



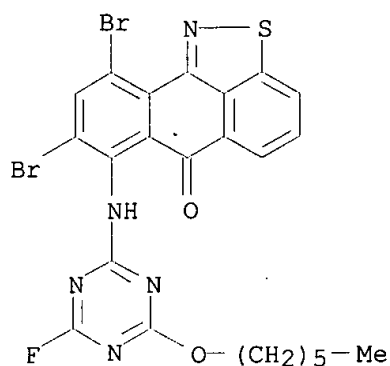
RN 96407-70-4 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 8,10-dibromo-7-[(4-fluoro-6-methoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



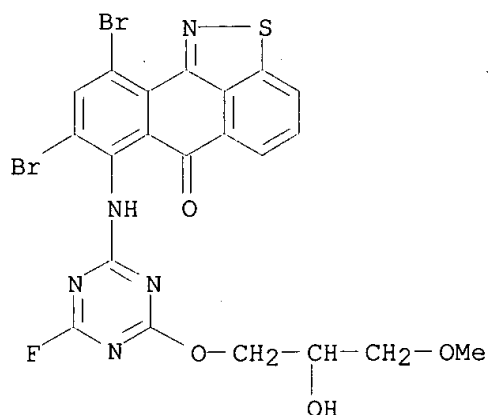
RN 96407-71-5 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 8,10-dibromo-7-[[4-fluoro-6-(hexyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



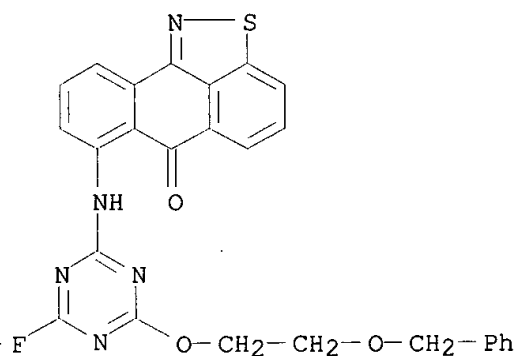
RN 96407-72-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 8,10-dibromo-7-[[4-fluoro-6-(2-hydroxy-3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



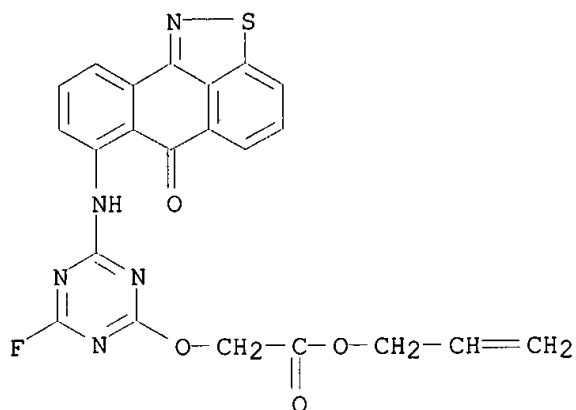
RN 96407-73-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(phenylmethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



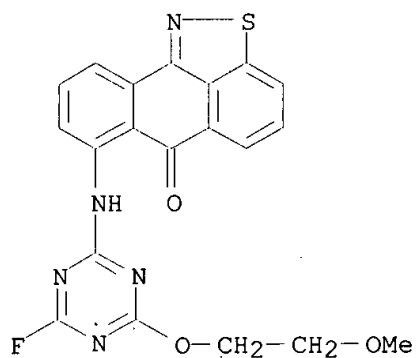
RN 96407-74-8 HCAPLUS

CN Acetic acid, [[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



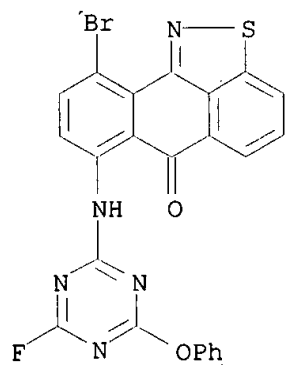
RN 96407-75-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



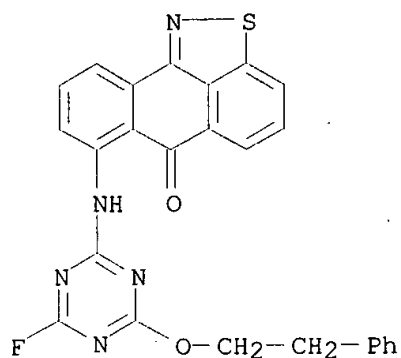
RN 96407-76-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[(4-fluoro-6-phenoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



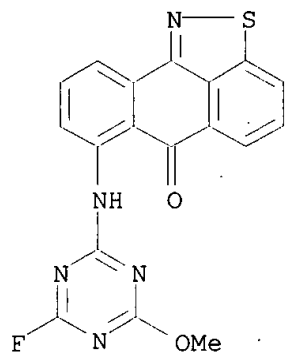
RN 96407-77-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



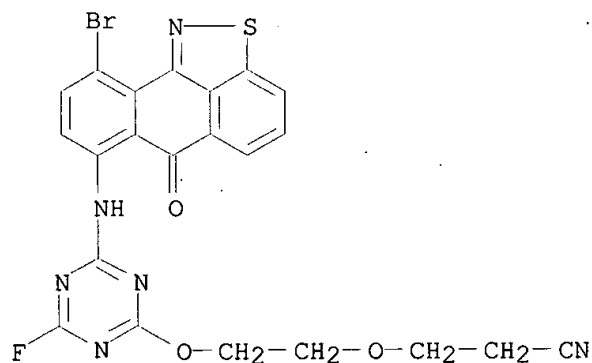
RN 96407-78-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-fluoro-6-methoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



RN 96424-92-9 HCAPLUS

CN Propanenitrile, 3-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethoxy]- (9CI) (CA INDEX NAME)



L19 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1981:499330 HCAPLUS

DN 95:99330

TI Triazinylaminoanthraquinones

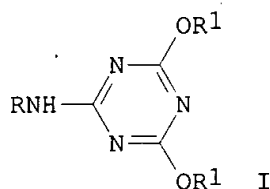
IN Neeff, Ruetger

PA Bayer A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 IC C09B001-16
 CC 40-5 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)
 Section cross-reference(s): 26

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2950876	A1	19810625	DE 1979-2950876	19791218
	US 4334068	A	19820608	US 1980-213242	19801204
	EP 30693	A1	19810624	EP 1980-107699	19801206
	EP 30693	B1	19830406		
	R: CH, DE, FR, GB				
	JP 56093761	A2	19810729	JP 1980-175934	19801215
PRAI	DE 1979-2950876		19791218		
GI					



AB .alpha.-Aminoanthraquinones are heated with an equimolar amt. of cyanuric chloride [108-77-0] and excess phenol in the absence of acid acceptor and org. solvent to give title compds. of general structure I (R = optionally substituted anthraquinonyl group, R1 = optionally substituted aryl) in high yield. For example, addn. of 23.5 g cyanuric chloride and then 27 g 1-aminoanthraquinone [82-45-1] to 100 g phenol [108-95-2] at 50-55.degree., heating to 175.degree. in 1 h, heating at 180.degree. for 3 h (3 equiv HCl evolved), cooling to 120.degree., addn. of 100 mL H2O, and steam distn. of excess phenol gave 57 g cryst. yellow I (R = anthraquinon-1-yl, R1 = Ph) [1965-82-8], a polyester dye.

ST anthraquinone triazinylamino; triazinylaminoanthraquinone; cyanuric chloride reaction amine phenol; aminoanthraquinone reaction cyanuric chloride phenol; polyester fiber dye

IT Dyes, anthraquinone
 ([bis(aryloxy)triazinyl]amino derivs., manuf. of, in absence of acid acceptor and org. solvent)

IT Polyester fibers, uses and miscellaneous
 RL: USES (Uses)
 (dyes for, [[bis(aryloxy)triazinyl]amino]anthraquinones as)

IT Condensation reaction
 (of aminoanthraquinones with cyanuric chloride and phenols, in absence of acid acceptor and org. solvent)

IT 1965-82-8 **78865-92-6**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dye, for polyester fibers, manuf. of)

IT 108-77-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with aminoanthraquinones and phenol in absence of acid acceptor and org. solvent)

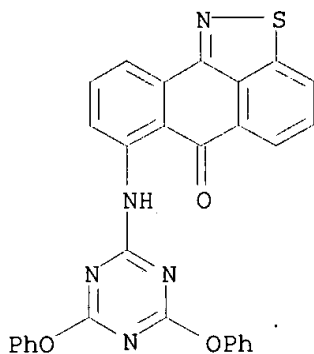
IT 108-95-2, reactions
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with cyanuric chloride and aminoanthraquinones in absence of acid acceptor and org. solvent)

IT 82-45-1 6337-02-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with cyanuric chloride and phenol in absence of acid acceptor and org. solvent)

IT 78865-92-6
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dye, for polyester fibers, manuf. of)

RN 78865-92-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diphenoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



L19 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1981:176688 HCAPLUS

DN 94:176688

TI Yellow isothiazolanthranyl triazine disperse dyes for polyester fibers

IN Ayyangar, Nagaraj Ramanuj; Lahoi, Raijgopal Jagannath; Wagle, Dilip Raghunath

PA Council of Scientific and Industrial Research (India), India

SO Indian, 9 pp.
 CODEN: INXXAP

DT Patent

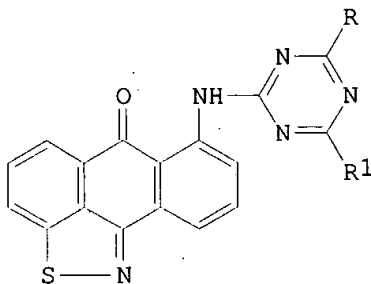
LA English

IC C09B017-00; C09B062-00

CC 40-6 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IN 147994	A	19800913	IN 1978-DE16	19780106
PRAI	IN 1978-DE16		19780106		
GI					



I

AB Title dyes (I; R, R1 = NH2, EtNH, MeNH, Me2N, Et2N, MeO, EtO, MeOCH2O,

HOCH₂CH₂, Bu; RR'N = morpholino, piperidino) were prepd. by reaction of 5-amino-1,9-isothiazolanthrone [6337-02-6] with cyanuric chloride [108-77-0] and reaction of the dichlorotriazinylamino deriv. (II) [70277-36-0] with RH. Thus, II was prepd. and treated with MeNH₂ [74-89-5] to give I(R = R₁ = MeNH) [70277-37-1], dyeing polyester fibers bright yellow shades.

ST isothiazolanthranyltriazine dye polyester fiber;
aminotriazinylaminoisothiazolanthrone dye polyester fiber;
triazinylaminoisothiazolanthrone dye polyester fiber

IT Polyester fibers, uses and miscellaneous
RL: USES (Uses)
(dyes for, (isothiazolanthranylamino)triazine derivs. as)

IT Dyes
(disperse, (isothiazolanthranylamino)triazine derivs., for polyester fibers)

IT 70277-37-1 70277-38-2 70277-39-3
70277-40-6 70277-41-7 70277-42-8
70277-46-2 70285-65-3
RL: TEM (Technical or engineered material use); USES (Uses)
(dye, for polyester fibers, prepn. of)

IT 70277-36-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction with amines and alcs.)

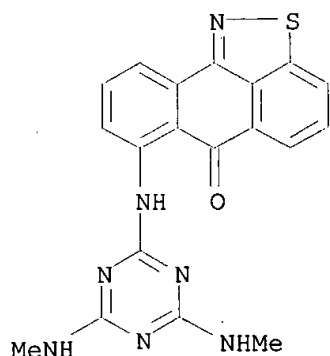
IT 108-77-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminoisothiazolanthrone)

IT 6337-02-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with cyanuric chloride)

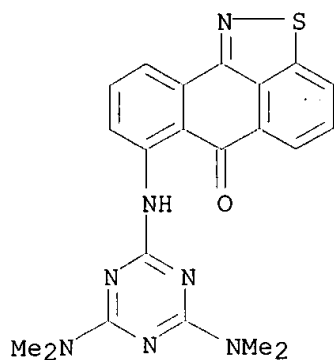
IT 64-17-5, reactions 67-56-1, reactions 74-89-5, reactions 75-04-7, reactions 109-86-4 109-89-7, reactions 110-89-4, reactions 124-40-3, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with dichlorotriazine deriv., in dye manuf.)

IT 70277-37-1 70277-38-2 70277-39-3
70277-40-6 70277-41-7 70277-42-8
70277-46-2 70285-65-3
RL: TEM (Technical or engineered material use); USES (Uses)
(dye, for polyester fibers, prepn. of)

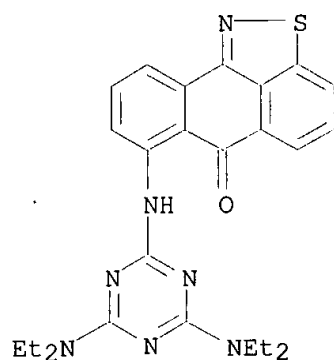
RN 70277-37-1 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(methylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



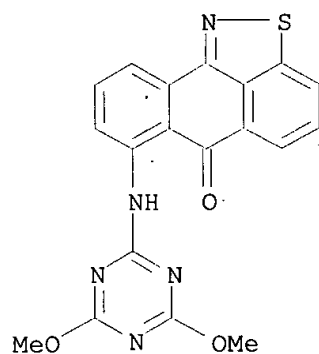
RN 70277-38-2 HCAPLUS
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



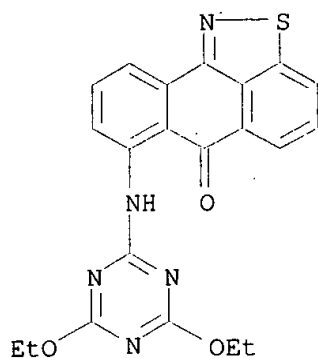
RN 70277-39-3 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(diethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 70277-40-6 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dimethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)

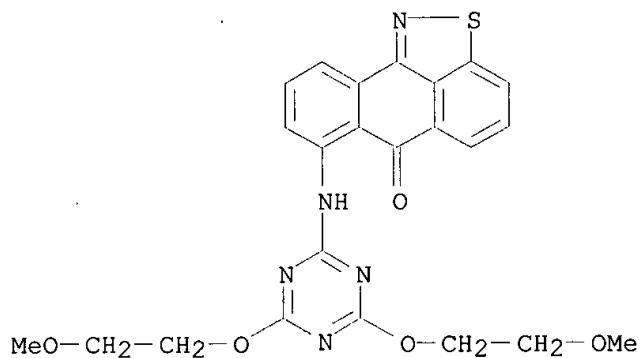


RN 70277-41-7 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



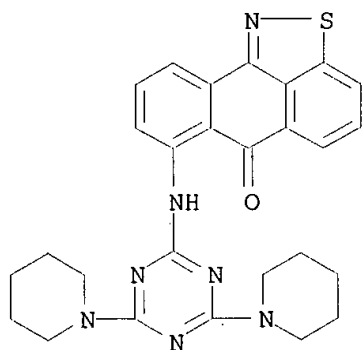
RN 70277-42-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



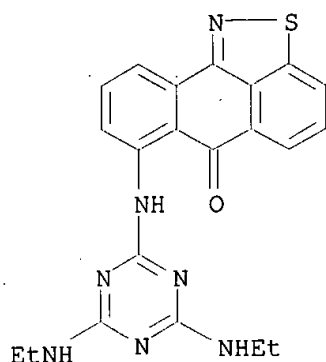
RN 70277-46-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-1-piperidinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 70285-65-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(ethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

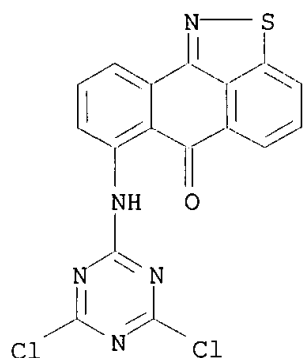


IT 70277-36-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and reaction with amines and alcs.)

RN 70277-36-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



L19 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1979:188496 HCAPLUS

DN 90:188496

TI Applications of NMR spectroscopy and mass spectrometry to some problems
concerning synthetic dyes: Part XVII. New isothiazolanthrone derivatives
as dyes for synthetic fibers

AU Ayyangar, N. R.; Lahoti, R. J.; Wagle, D. R.

CS Natl. Chem. Lab., Poona, India

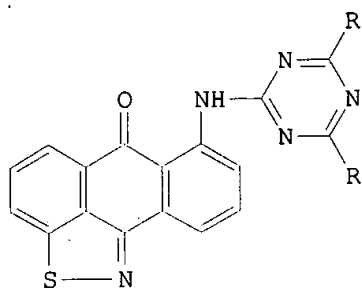
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including
Medicinal Chemistry (1978), 16B(11), 1007-8
CODEN: IJSBDB; ISSN: 0376-4699

DT Journal

LA English

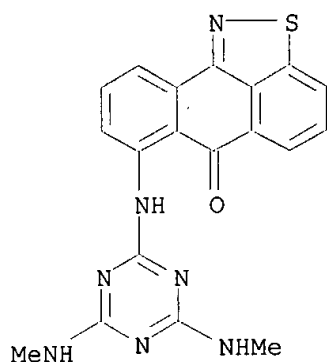
CC 40-5 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

GI



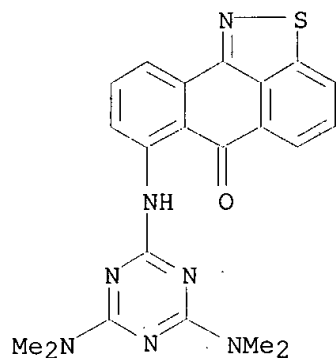
I

- AB Isothiazolanthronyltriazine disperse dyes (I, R = Cl, NHMe, NMe₂, NEt₂, OMe, OEt, OCH₂CH₂OMe, NHCH₂CH₂OH, NHBu, 4-morpholinyl, 1-piperidinyl) were prepd. and their NMR, mass, and electronic spectra were discussed. These dyes have a combination of features of C.I. Disperse Yellow 92, 51, and 65, are much brighter and deeper than C.I. Disperse Yellow 51 and 65 on polyester fibers, and have good fastness properties.
- ST isothiazolanthronyltriazine disperse dye; polyester fiber dye; triazine isothiazolanthrone disperse dye
- IT Dyes, anthraquinone
(isothiazolanthrone derivs., prepn. and UV spectra of)
- IT 10116-20-8 61931-40-6
RL: PRP (Properties)
(UV spectrum of)
- IT 70277-37-1P 70277-38-2P 70277-39-3P
70277-40-6P 70277-41-7P 70277-42-8P
70277-43-9P 70277-44-0P 70277-45-1P
70277-46-2P 70285-65-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and UV spectrum of)
- IT 70277-36-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and reaction with amines and alcs.)
- IT 108-77-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminoisothiazolanthrone)
- IT 6337-02-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with cyanuric chloride)
- IT 64-17-5, reactions 67-56-1, reactions 74-89-5, reactions 75-04-7,
reactions 109-73-9, reactions 109-86-4 109-89-7, reactions
110-89-4, reactions 110-91-8, reactions 124-40-3, reactions
141-43-5, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with dichlorotriazine deriv.)
- IT 70277-37-1P 70277-38-2P 70277-39-3P
70277-40-6P 70277-41-7P 70277-42-8P
70277-43-9P 70277-44-0P 70277-45-1P
70277-46-2P 70285-65-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and UV spectrum of)
- RN 70277-37-1 HCAPLUS
- CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(methylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



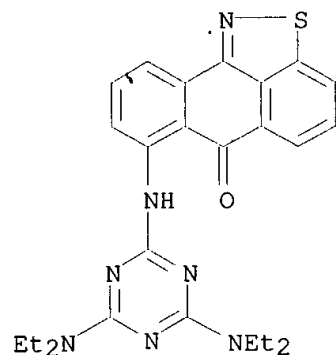
RN 70277-38-2 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



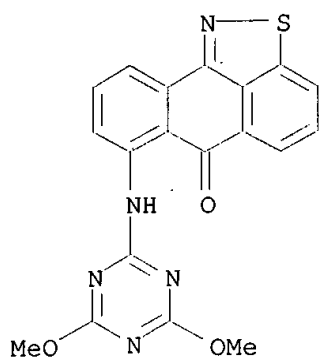
RN 70277-39-3 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(diethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



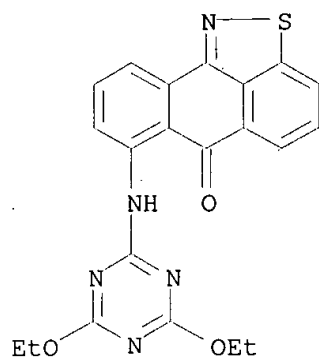
RN 70277-40-6 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dimethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



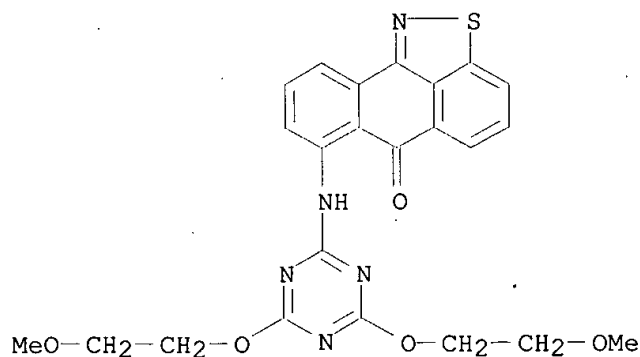
RN 70277-41-7 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



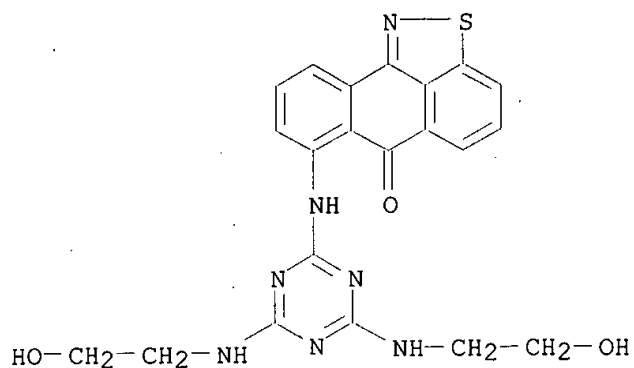
RN 70277-42-8 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



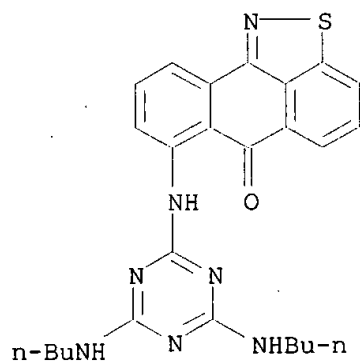
RN 70277-43-9 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



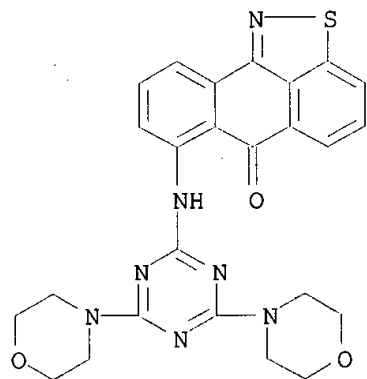
RN 70277-44-0 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(butylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



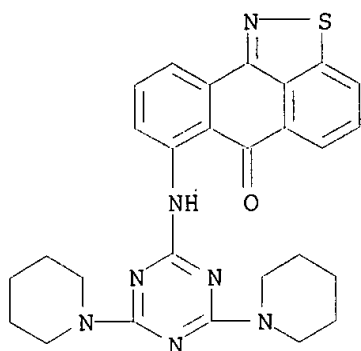
RN 70277-45-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

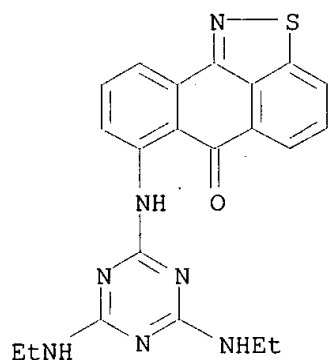


RN 70277-46-2 HCAPLUS

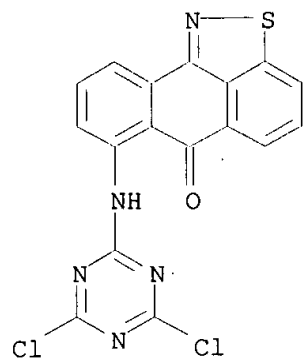
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-1-piperidinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



RN 70285-65-3 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(ethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



IT 70277-36-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and reaction with amines and alcs.)
 RN 70277-36-0 HCAPLUS
 CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



L19 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2003 ACS
 AN 1973:547423 HCAPLUS
 DN 79:147423

TI Vat dyes
 IN Ulrich, Paul; Staeuble, Max
 PA Ciba-Geigy A.-G.
 SO Ger. Offen., 77 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 IC C09B
 CC 40-5 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)
 Section cross-reference(s): 42

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2310305	A1	19730906	DE 1973-2310305	19730301
	DE 2310305	C2	19860102		
	CH 564592	A	19750731	CH 1972-3133	19720303
	CA 998390	A1	19761012	CA 1973-164464	19730223
	IN 139796	A	19760731	IN 1973-CA419	19730226
	FR 2174876	A1	19731019	FR 1973-7178	19730228
	US 3870717	A	19750311	US 1973-336574	19730228
	CS 166670	P	19760329	CS 1973-1453	19730228
	NL 7302901	A	19730906	NL 1973-2901	19730301
	IT 979679	A	19740930	IT 1973-48538	19730301
	BE 796180	A1	19730903	BE 1973-128285	19730302
	GB 1429261	A	19760324	GB 1973-10193	19730302
	ES 412222	A1	19760616	ES 1973-412222	19730302
	JP 48102129	A2	19731222	JP 1973-24817	19730303
	JP 60006974	B4	19850221		
PRAI	CH 1972-3133		19720303		
	CH 1973-855		19730122		

AB Dyes contg. R groups were prep., where Q is the residue of a vatable polycyclic quinone (anthraquinone, phthaloylacridone, perylenetetracarboxylic diimide, anthraisothiazole), Z (position 2, 3, and/or 5) is O or S, and the triazine ring is bonded through O or N to one or two polycyclic ring systems, e.g. Q. These compds. are fast vat dyes for cellulosic fibers and are also pigments, e.g. for PVC and lacquers. Thus, reaction of 4,6-bis(anthraquinon-1-ylamino)-s-triazine with 1-(salicyloylamino)anthraquinone at 205-10.deg. in PhNO₂ contg. pyridine gave vat dye I(R = R₁ = anthraquinon-1-ylamino) [43212-10-8], deep yellow on cotton. Similarly, olive vat dye I(R = 3,4-phthaloyl-9(10H)-acridon-2-yl, R₁ = 6H-anthra[9,1-cd]isothiazol-6-on-7-yl) [43164-36-9] and 6 other dyes were prepd.

ST vat dye; pigment anthraquinone; anthraquinone dye; triazine vat dye

IT Pigments

(([bis(anthraquinonylamino)triazinyl] derivs. of carbocyclic or heterocyclic ketones for nitrocellulose lacquer and poly(vinyl chloride))

IT Dyes, anthraquinone

(([bis(anthraquinonylamino)triazinyl] derivs. of carbocyclic or heterocyclic ketones, cellulose fibers)

IT 49658-85-7

RL: USES (Uses)

(nitrocellulose lacquer dyeing with)

IT 9002-86-2

RL: USES (Uses)

(pigments for, anthraquinone derivs. as)

IT 49658-84-6

RL: USES (Uses)

(poly(vinyl chloride) dyeing with)

IT 43164-36-9P 43212-10-8P 49658-66-4P 49658-67-5P

49658-68-6P 49658-69-7P 49658-70-0P

RL: IMF (Industrial manufacture); PREP (Preparation)

(prepn. of)

IT 6370-81-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (benzoylamino)(salicyloylamino)anthraquinone)

IT 17612-57-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (salicyloylamino)anthraquinone)

IT 49658-74-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (thiosalicyloylamino)anthraquinone)

IT 49658-80-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with [(dihydroxybenzoyl)amino]anthraquinone)

IT 49658-78-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with bis[(methoxyanthraquinonyl)amino]chlorotriazine)

IT 49658-76-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with bis[[(benzoylamino)anthraquinonyl]amino]chlorotriazine)

IT 49658-81-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with bis[[(benzoylamino)anthraquinonyl]amino]chlorotrihydrazine)

IT 49658-75-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with chlorotriazine deriv.)

IT 4981-43-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with chlorotriazine derivs.)

IT 81-73-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with cyanuric chloride)

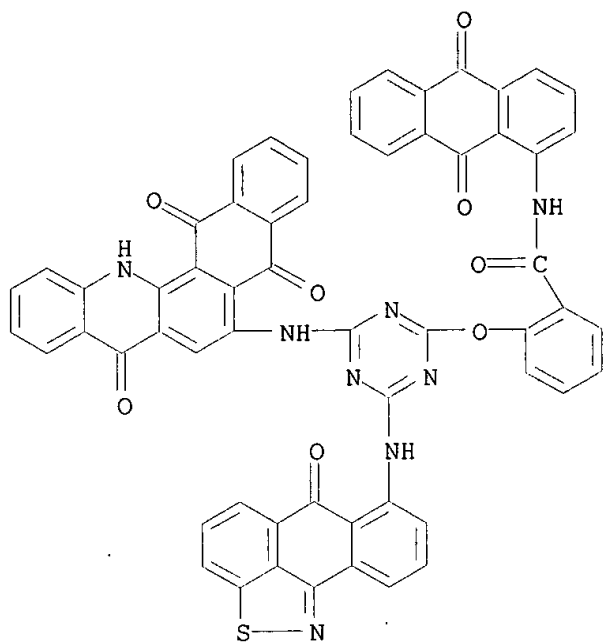
IT 6337-02-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with dichloro[(phthaloylacridonyl)amino]triazine)

IT 49658-77-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with perylenetetracarboxylic bis[[(salicyloylamino)phenyl]imide])

IT **43164-36-9P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of)

RN 43164-36-9 HCAPLUS

CN Benzamide, N-(9,10-dihydro-9,10-dioxo-1-anthracenyl)-2-[[4-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-[(5,8,13,14-tetrahydro-5,8,14-trioxonaphth[2,3-c]acridin-6-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI) (CA INDEX NAME)



L19 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1970:510885 HCAPLUS

DN 73:110885

TI Triazinylaminoanthraquinone dyes

IN Ulrich, Paul

PA CIBA Ltd.

SO Ger. Offen., 65 pp.

CODEN: GWXXBX

DT Patent

LA German

IC C09B

CC. 40 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2003364	A	19700806	DE 1970-2003364	19700126
	CH 553839	A	19740913	CH 1969-1563	19690131
	CS 172322	P	19761229	CS 1970-412	19700120
	FR 2029759	A5	19701023	FR 1970-2685	19700126
	CA 946840	A1	19740507	CA 1970-73	19700126
	US 3684808	A	19720815	US 1970-6288	19700127
	PL 80452	P	19750830	PL 1970-138467	19700129
	BE 745214	A	19700730	BE 1970-745214	19700130
	NL 7001385	A	19700804	NL 1970-1385	19700130
	ES 376042	A1	19720516	ES 1970-376042	19700130
	GB 1307932	A	19730221	GB 1970-4650	19700130
	BR 7016460	A0	19730412	BR 1970-216460	19700130
	JP 52020486	B4	19770603	JP 1970-8385	19700131
	CH 1969-1563		19690131		
PRAI	CH 1969-18331		19691208		

GI For diagram(s), see printed CA Issue.

AB The title compds. [I, R = H, X = p- or m-C₆H₄ or 4,2-(p-C₆H₄N:N)(HO₃S)C₆H₃CH:CHC₆H₃(SO₃H) (N:NC₆H₄-p)-2,4, and I, R = Cl, X = p-C₆H₄CM₂C₆H₄-p] are yellow vat dyes for cotton fibers. Thus, a mixt. of hydroquinone, PhNO₂, and 2 equivs. of the reaction product from 1 mole cyanuric chloride and 2 moles 1-aminoanthraquinone in the presence of

pyridine gave yellow I (R = H, X = p-C₆H₄). Similarly prepd. was II, a yellow pigment for poly(vinyl chloride).

ST triazinylamino anthraquinones dyes; anthraquinones triazinylamino dyes; dyes triazinylamino anthraquinones; cellulose dyes triazinyl anthraquinones; isothiazoloanthrones cellulose dyes

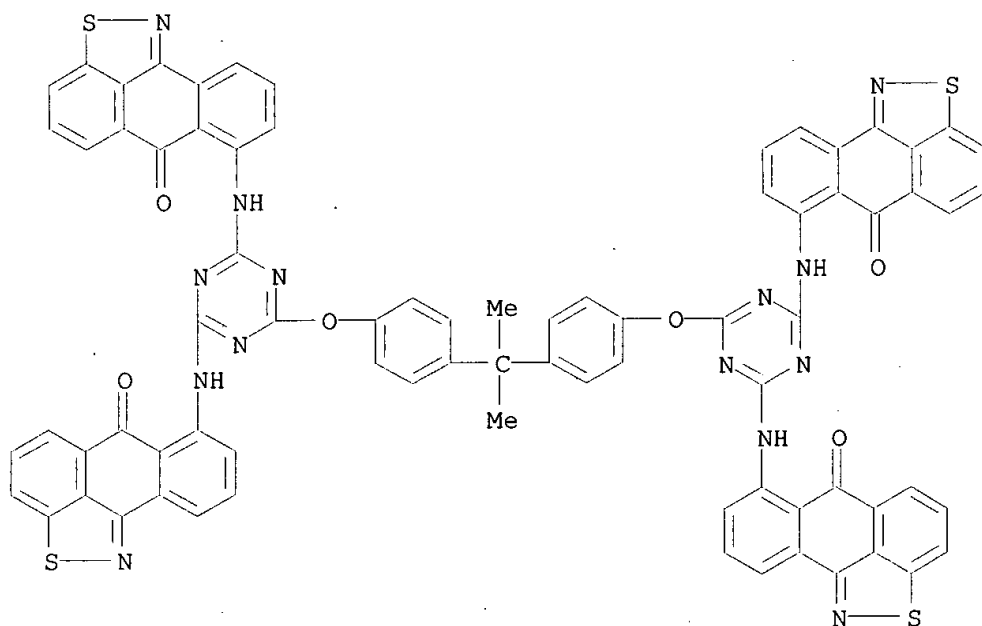
IT Dyes; anthraquinone
((triazinediyl-diimino)dianthraquinone derivs., cotton)

IT 27327-68-0P 29573-64-6P 29723-18-0P **29723-19-1P**
29723-20-4P
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of)

IT **29723-19-1P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of)

RN 29723-19-1 HCAPLUS

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7,7',7'',7'''-[(1-methylethylidene)bis(4,1-phenyleneoxy-1,3,5-triazine-6,2,4-triyl-diimino)]tetrakis- (9CI) (CA INDEX NAME)



L19 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2003 ACS

AN 1963:403987 HCAPLUS

DN 59:3987

OREF 59:787h,788a-c

TI Anthraquinone or perylenetetracarboxylic acid diimide dyes

PA CIBA, Ltd.

SO 8 pp.

DT Patent

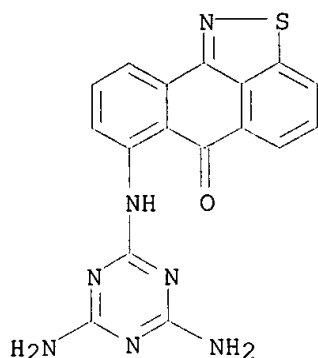
LA Unavailable

CC 46 (Dyes)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 897487		19620530	GB	
CH 389133			CH	
DE 1214347			DE	
US 3074945		1963	US	
PRAI CH		19590506		

GI For diagram(s), see printed CA Issue.

- AB Vat dyes contg. melamine residues are prepd. by condensing vatable amines with cyanuric chloride (I) and replacing the remaining Cl atoms with nonvatable amines. Thus, a suspension of aminodibenzanthrone 9.4 in anhyd. PhNO₂ 200 at 160-70.degree. is treated with a soln. of I 6 in PhNO₂ 40 and pyridine 0.5 part, stirred for 12 hrs. at 170.degree., cooled, and filtered. The cake of II, X = Y = Cl, is added slowly to 100 parts H₂NCH₂CH₂OH at 150-60.degree., stirred for 2 hrs., cooled and drowned in H₂O to give II, X = Y = NHCH₂CH₂OH (III), a black dye. Similarly, other II were prepd. (X, Y, and shade on cotton given): N(CH₂CH₂OH)₂, N(CH₂CH₂OH)₂, black (reddish blue vat); NHC₆H₁₁, NHC₆H₁₁, bluish gray (reddish blue vat); NMeCH₂CH₂OH, NMeCH₂CH₂OH, greenish black; Net₂, Net₂, bluish gray to bluish black; NMePh, NHCH₂CH₂OH, black; NMe₂, NHCH₂CH₂OH, reddish black. III 6.7 in PhNO₂ 100 treated with SOCl₂ 6 and pyridine 0.1 part and the mixt. stirred for 6 hrs. at 140-50.degree. gave II, X = Y = NHCH₂CH₂Cl, a bluish black dye. Other dyes were also prepd. (components and shade on cotton given): 5-amino-1,9-isothiazoleanthrone, I, 2 moles NH₃, - [orange in poly(vinyl chloride) (IV)]; 5,5'-diamino-1,1'-dianthrimide carbazole, 1 mole I, 2 moles NH₃, rust-brown; bis [p-aminophenylimide] (V) of perylenetetracarboxylic acid, 2 moles I, 4 moles NH₃, red (red in IV); m-isomer of V, 2 moles I, 4 moles MeNHCH₂CH₂OH, red; amino-acedianthrone, I, 2 moles NH₃, brown.
- IT Dyes
(3,4,9,10-perylenetetracarboxylic 3,4:9,10-diimide and violanthrone triazinyl-contg., cotton)
- IT Bacillus subtilis
(citrovorum factor formation by)
- IT 5H-Dinaphtho[2,3-a:2',3'-i]carbazole-5,10,15,17(16H)-tetrone,
4-amino-11-[(4,6-diamino-s-triazin-2-yl)amino]-
Violanthrone, [[4,6-bis[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-
- IT **101231-70-3**, 6H-Anthra[9,1-cd]isothiazol-6-one,
7-[(4,6-diamino-s-triazin-2-yl)amino]- 106117-12-8, Violanthrone,
[[4,6-bis[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-
107062-57-7, Violanthrone, [[4,6-bis[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]- 107083-85-2, Violanthrone, [[4-(dimethylamino)-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]- 107085-41-6,
3,4,9,10-Perylenetetracarboxylic 3,4:9,10-diimide, N,N'-bis[m-[[4,6-bis[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]phenyl]- 107541-35-5,
Violanthrone, [[4-[(2-hydroxyethyl)amino]-6-(N-methylanilino)-s-triazin-2-yl]amino]- 107541-37-7, Aceanthryleno[2,1-a]aceanthrylene-5,13-dione,
[(4,6-diamino-s-triazin-2-yl)amino]- 107891-75-8, Violanthrone,
[[4,6-bis(diethylamino)-s-triazin-2-yl]amino]- 108243-41-0,
3,4,9,10-Perylenetetracarboxylic 3,4:9,10-diimide, N,N'-bis[(4,6-diamino-s-triazin-2-yl)amino]phenyl]- 108373-24-6, Violanthrone,
[[4,6-bis[(2-chloroethyl)amino]-s-triazin-2-yl]amino]- 108419-45-0,
Violanthrone, [[4,6-bis(cyclohexylamino)-s-triazin-2-yl]amino]-
(prepn. of)
- IT **101231-70-3**, 6H-Anthra[9,1-cd]isothiazol-6-one,
7-[(4,6-diamino-s-triazin-2-yl)amino]-
(prepn. of)
- RN 101231-70-3 HCAPLUS
- CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



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FILE 'USPATFULL' ENTERED AT 13:23:55 ON 15 JUL 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:23:55 ON 15 JUL 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> d l16 bib abs hitstr tot

L16 ANSWER 1 OF 4 USPATFULL

AN 2003:106820 USPATFULL

TI Isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones and derivatives thereof as JNK inhibitors and compositions and methods related thereto

IN Sakata, Steven T., San Diego, CA, UNITED STATES

Raymon, Heather K., San Diego, CA, UNITED STATES

PA Signal Pharmaceuticals, Inc. (U.S. corporation)

PI US 2003073732 A1 20030417

AI US 2002-71390 A1 20020207 (10)

PRAI US 2001-269013P 20010215 (60)

DT Utility

FS APPLICATION

LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711

CLMN Number of Claims: 110

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 3161

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Isothiazoloanthrones, isooxazoloanthrones, isoindolanthrones, and derivatives thereof having the general formula: ##STR1##

and pharmaceutically acceptable salts thereof, wherein R.sub.0 is --CH.sub.2--, --SO--, --O--, --SO.sub.2--, or --S--; compositions comprising the isothiazoloanthrones, isooxazoloanthrones, isoindolanthrones, and derivatives thereof; and methods for treating or preventing a disorder alleviated by inhibiting Jun N-terminal kinase (JNK) by administering the isothiazoloanthrones, isooxazoloanthrones, isoindolanthrones, and derivatives thereof are described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 3352-44-1P 3522-36-9P 29723-19-1P

43164-36-9P 70277-36-0P 70277-37-1P

70277-38-2P 70277-39-3P 70277-40-6P

70277-41-7P 70277-42-8P 70277-43-9P

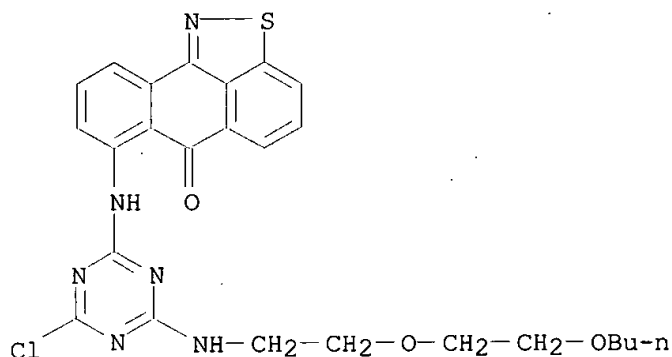
70277-44-0P 70277-45-1P 70277-46-2P

70285-65-3P 78865-92-6P 96407-49-7P
 96407-50-0P 96407-51-1P 96407-52-2P
 96407-53-3P 96407-54-4P 96407-55-5P
 96407-56-6P 96407-57-7P 96407-58-8P
 96407-59-9P 96407-60-2P 96407-61-3P
 96407-62-4P 96407-63-5P 96407-64-6P
 96407-65-7P 96407-66-8P 96407-67-9P
 96407-73-7P 96407-75-9P 96407-76-0P
 96407-77-1P 96407-78-2P 96424-92-9P
 101231-70-3P 102412-88-4P 102412-89-5P
 102412-90-8P 102412-91-9P 452343-80-5P
 452343-85-0P 452343-86-1P 452343-87-2P
 452343-88-3P 452343-89-4P

(prepn. of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones
 as JNK inhibitors)

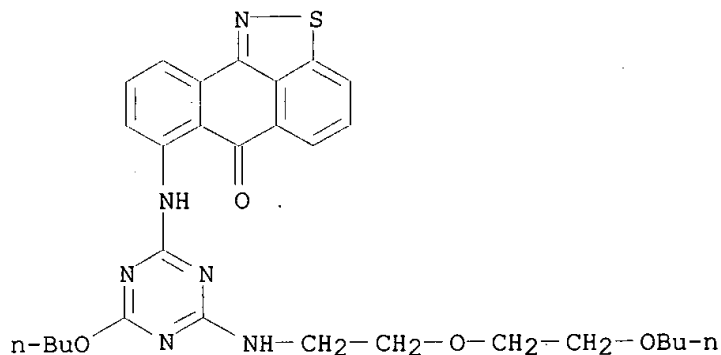
RN 3352-44-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[[2-(2-butoxyethoxy)ethyl]amino]-
 6-chloro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



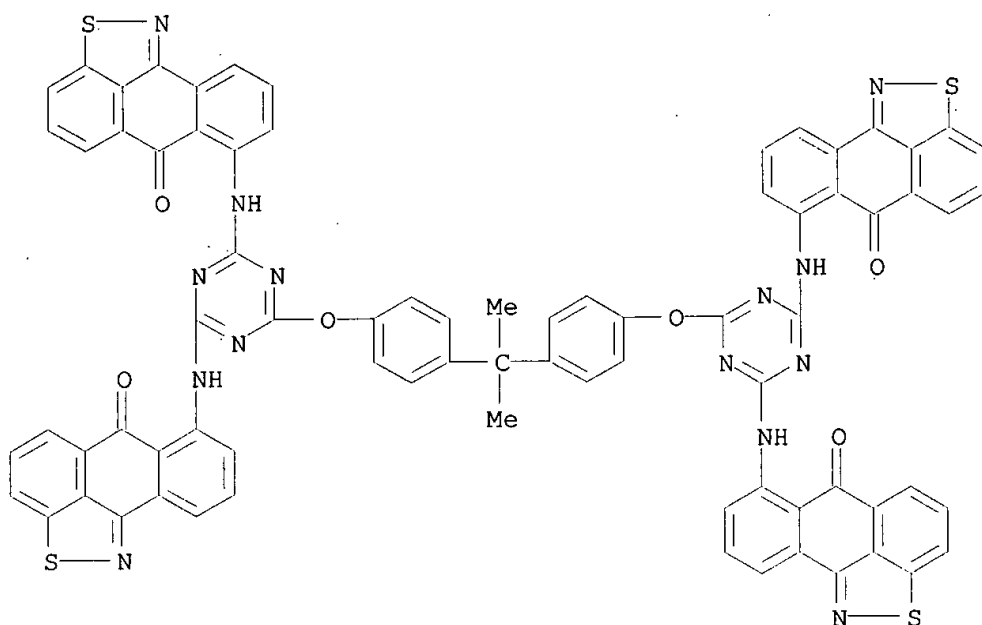
RN 3522-36-9 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-butoxy-6-[[2-(2-butoxyethoxy)ethyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



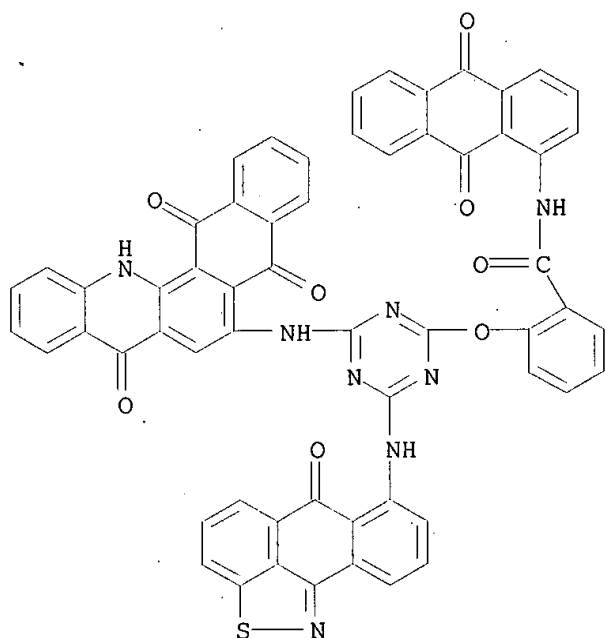
RN 29723-19-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7,7',7'',7'''-[(1-methylethylidene)bis(4,1-phenyleneoxy-1,3,5-triazine-6,2,4-triylidimino)]tetrakis- (9CI) (CA INDEX NAME)



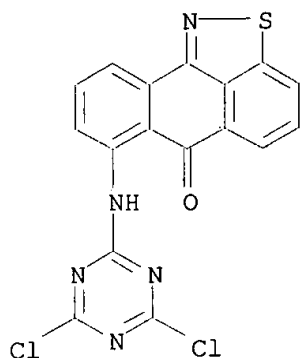
RN 43164-36-9 USPATFULL

CN Benzamide, N-(9,10-dihydro-9,10-dioxo-1-anthracenyl)-2-[[4-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-[(5,8,13,14-tetrahydro-5,8,14-trioxonaphth[2,3-c]acridin-6-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI)
(CA INDEX NAME)



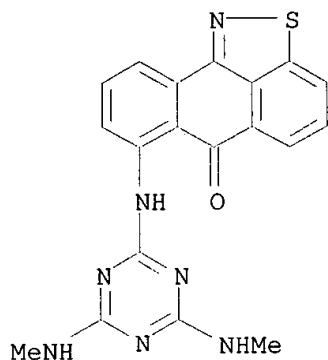
RN 70277-36-0 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



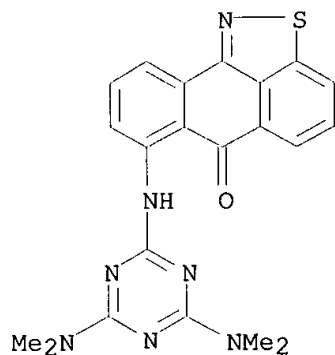
RN 70277-37-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(methylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



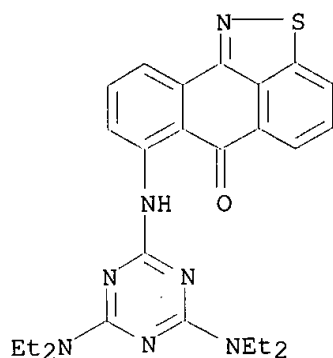
RN 70277-38-2 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

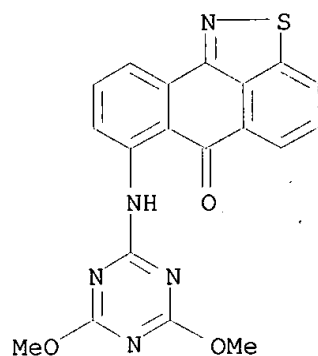


RN 70277-39-3 USPATFULL

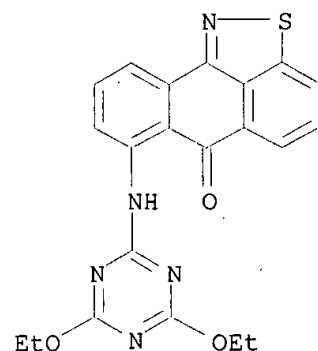
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(diethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



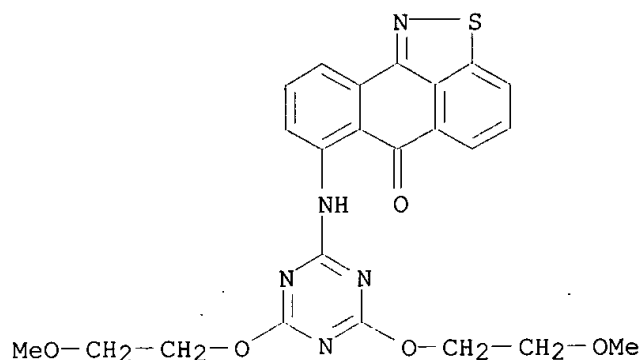
RN 70277-40-6 USPATFULL
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-dimethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



RN 70277-41-7 USPATFULL
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diethoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)

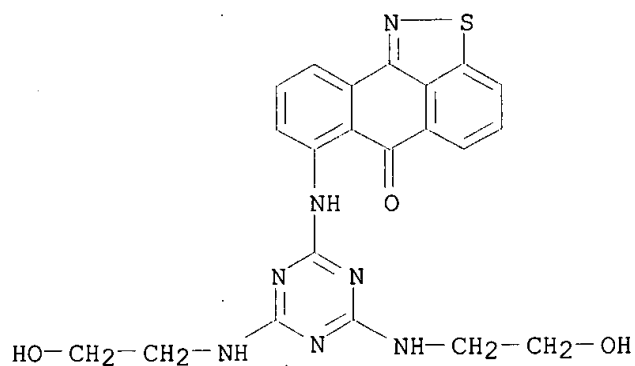


RN 70277-42-8 USPATFULL
CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



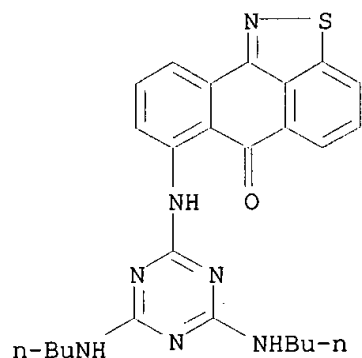
RN 70277-43-9 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



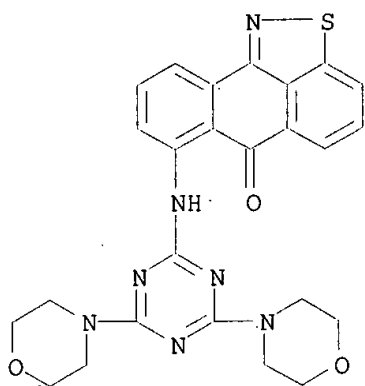
RN 70277-44-0 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(butylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



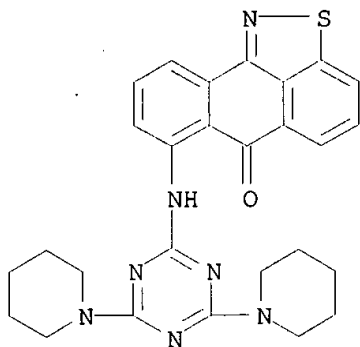
RN 70277-45-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-di-4-morpholinyl-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



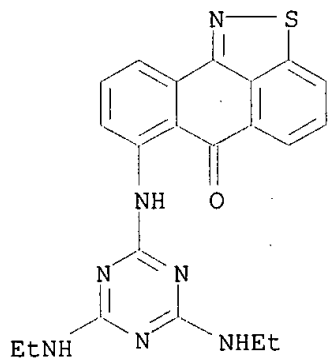
RN 70277-46-2 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-di-1-piperidinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



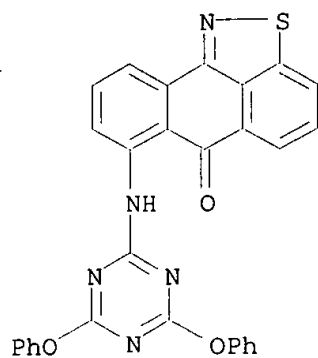
RN 70285-65-3 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(ethylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



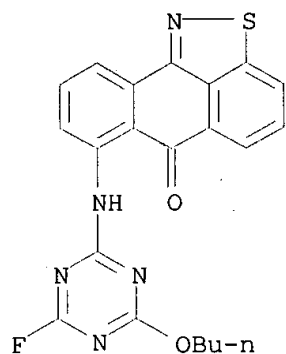
RN 78865-92-6 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diphenoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



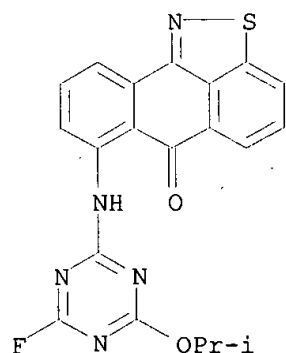
RN 96407-49-7 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-butoxy-6-fluoro-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



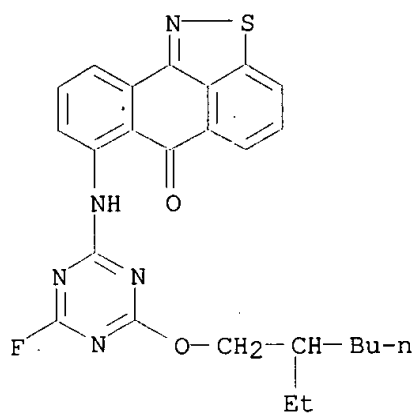
RN 96407-50-0 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(1-methylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



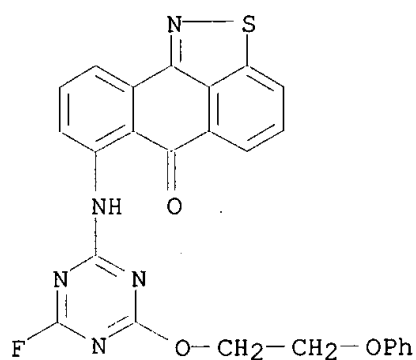
RN 96407-51-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(2-ethylhexyl)oxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



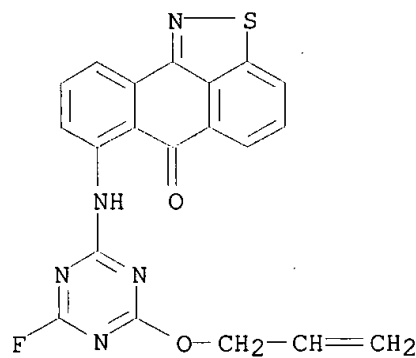
RN 96407-52-2 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenoxymethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



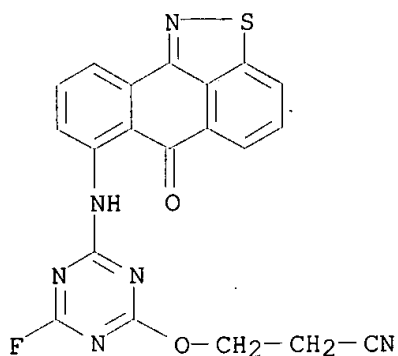
RN 96407-53-3 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-propenyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



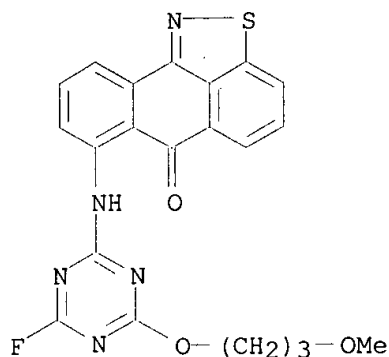
RN 96407-54-4 USPATFULL

CN Propanenitrile, 3-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI) (CA INDEX NAME)



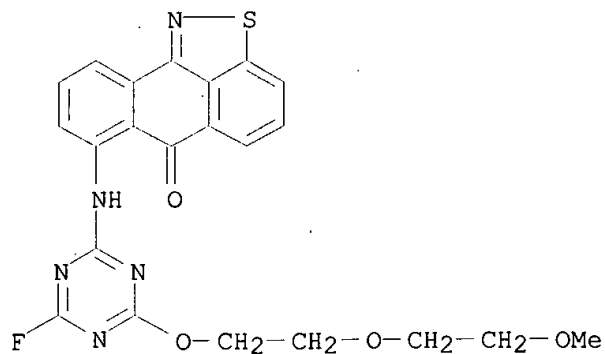
RN 96407-55-5 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



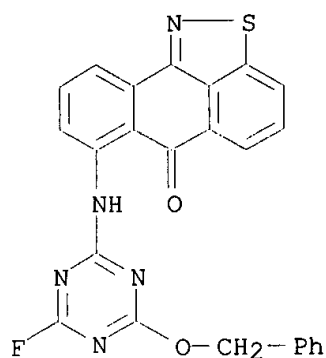
RN 96407-56-6 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(2-methoxyethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



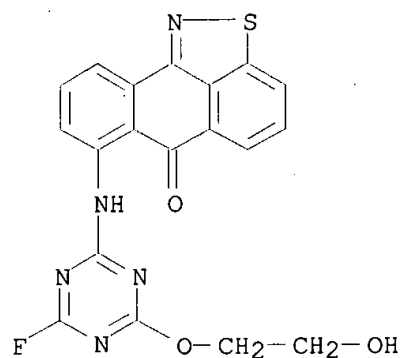
RN 96407-57-7 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(phenylmethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



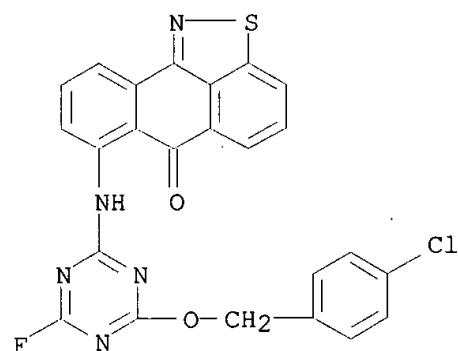
RN 96407-58-8 USPATFULL

6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-hydroxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



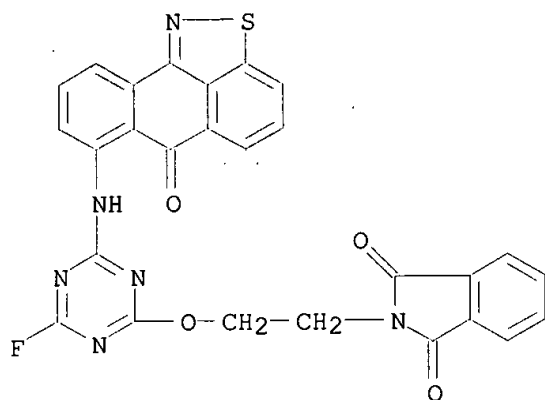
RN 96407-59-9 USPATFULL

6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[(4-chlorophenyl)methoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



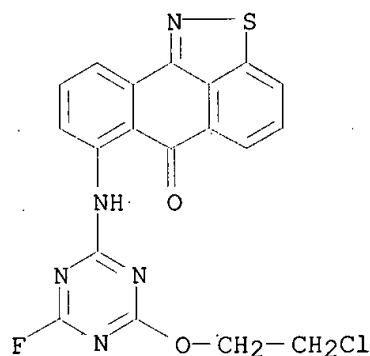
RN 96407-60-2 USPATFULL

1H-Isoindole-1,3(2H)-dione, 2-[2-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-
cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI) (CA
INDEX NAME)



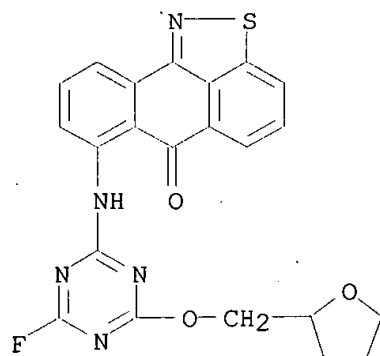
RN 96407-61-3 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-(2-chloroethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



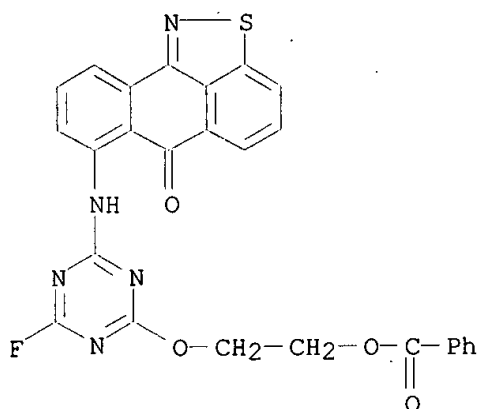
RN 96407-62-4 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[(tetrahydro-2-furanyl)methoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



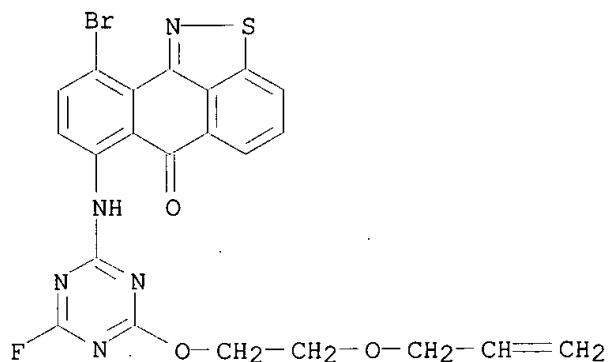
RN 96407-63-5 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-[2-(benzoyloxy)ethoxy]-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



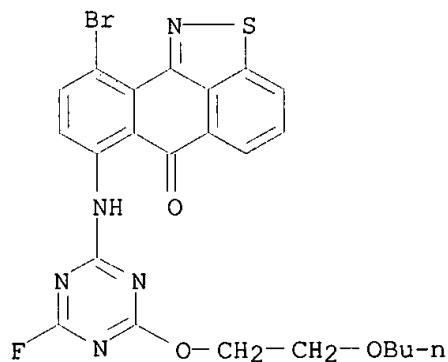
RN 96407-64-6 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-[2-(2-propenyloxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



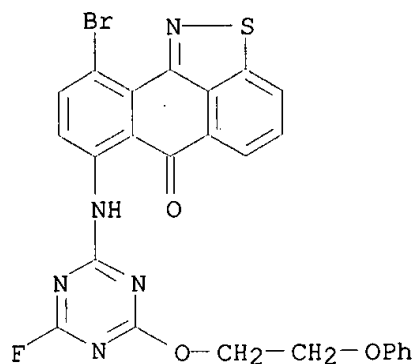
RN 96407-65-7 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-(2-butoxyethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



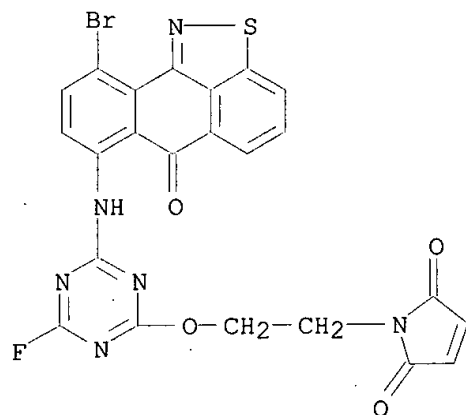
RN 96407-66-8 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[[4-fluoro-6-(2-phenoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



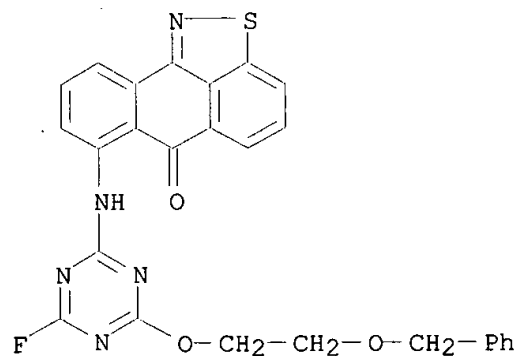
RN 96407-67-9 USPATFULL

CN 1H-Pyrrole-2,5-dione, 1-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethyl]- (9CI)
(CA INDEX NAME)



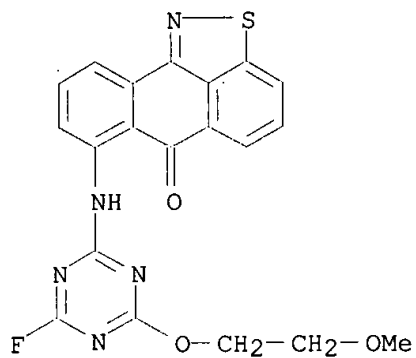
RN 96407-73-7 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-[2-(phenylmethoxy)ethoxy]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



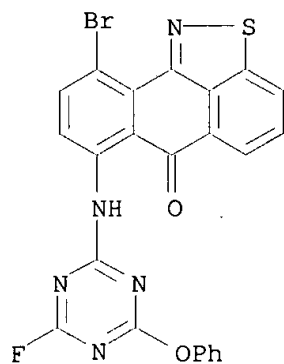
RN 96407-75-9 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-methoxyethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



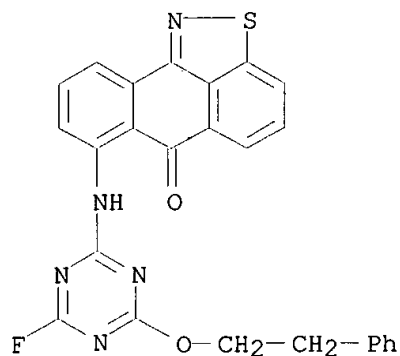
RN 96407-76-0 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 10-bromo-7-[(4-fluoro-6-phenoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



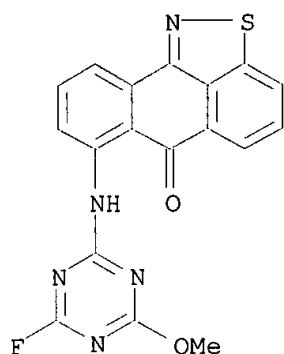
RN 96407-77-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-phenylethoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



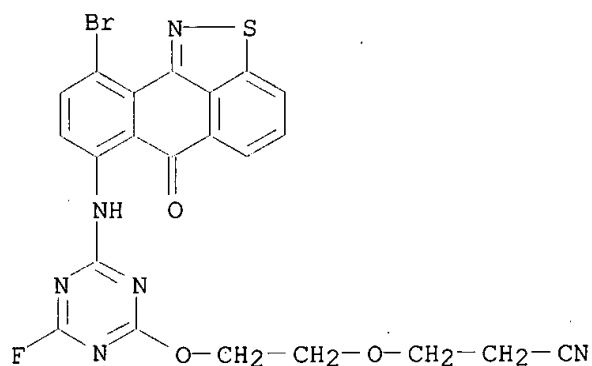
RN 96407-78-2 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4-fluoro-6-methoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



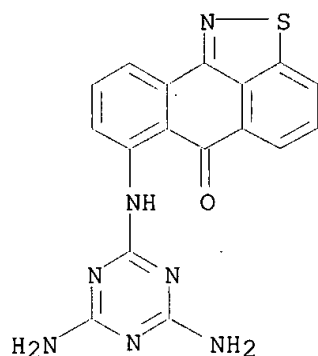
RN 96424-92-9 USPATFULL

CN Propanenitrile, 3-[2-[[4-[(10-bromo-6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-fluoro-1,3,5-triazin-2-yl]oxy]ethoxy]- (9CI) (CA INDEX NAME)



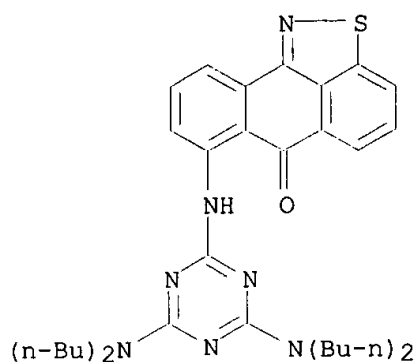
RN 101231-70-3 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diamino-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



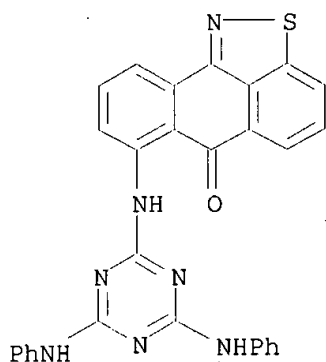
RN 102412-88-4 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



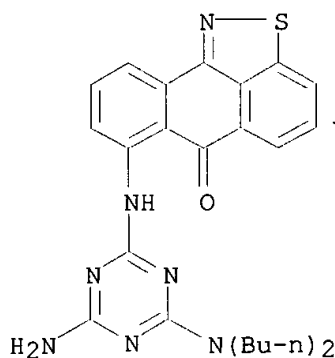
RN 102412-89-5 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4,6-bis(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



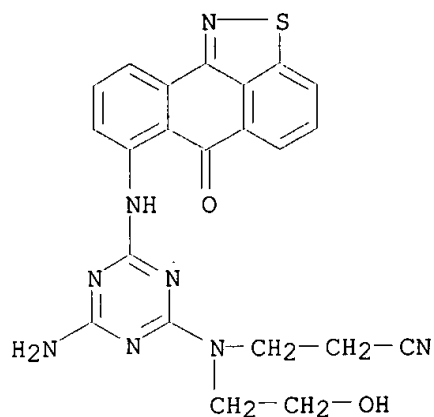
RN 102412-90-8 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-amino-6-(dibutylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



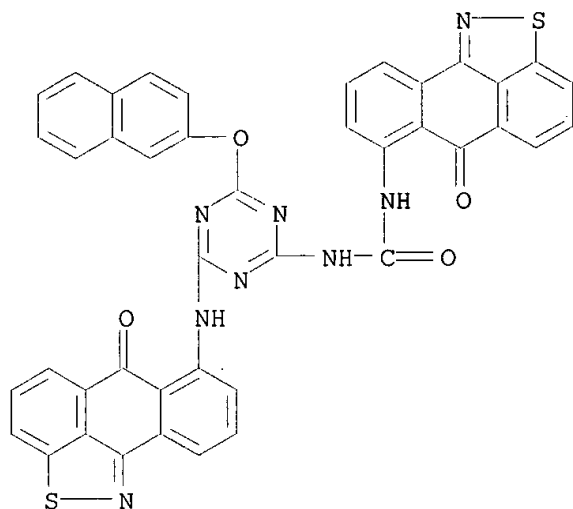
RN 102412-91-9 USPATFULL

CN Propanenitrile, 3-[[[4-amino-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl](2-hydroxyethyl)amino]- (9CI) (CA INDEX NAME)



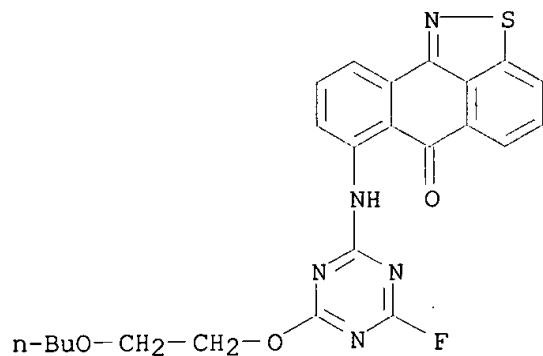
RN 452343-80-5 USPATFULL

CN Urea, N-[4-(2-naphthalenyloxy)-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]-N'-(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)- (9CI) (CA INDEX NAME)



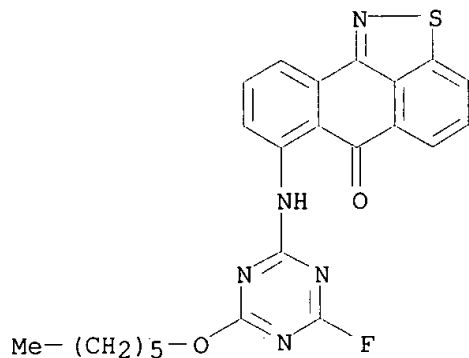
RN 452343-85-0 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-(2-butoxyethoxy)-6-fluoro-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



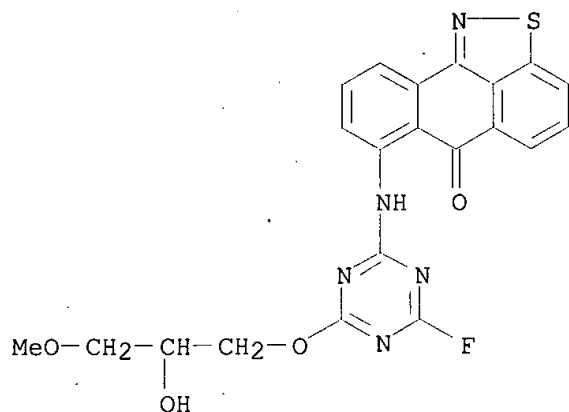
RN 452343-86-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(hexyloxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



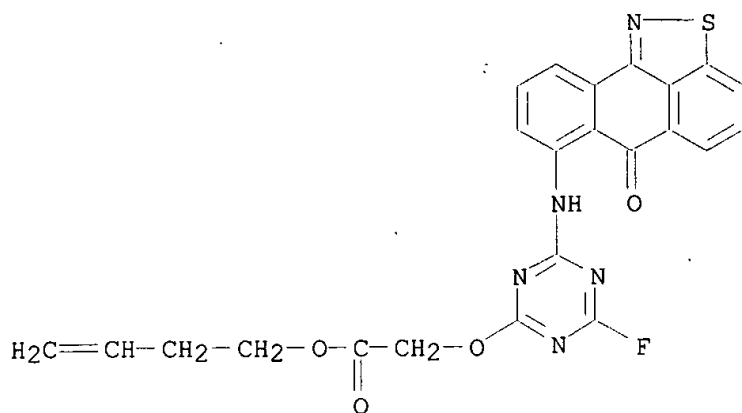
RN 452343-87-2 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[[4-fluoro-6-(2-hydroxy-3-methoxypropoxy)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



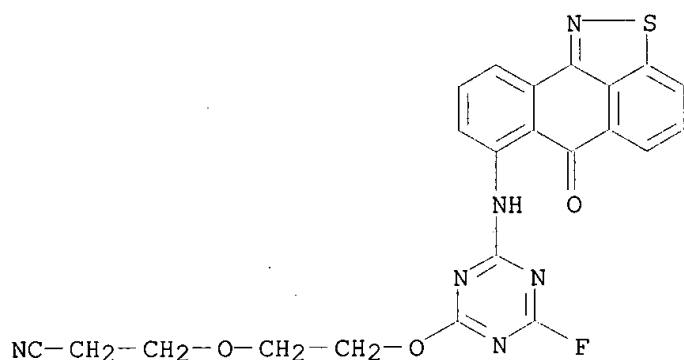
RN 452343-88-3 USPATFULL

CN Acetic acid, [[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]-, 3-butenyl ester (9CI) (CA INDEX NAME)



RN 452343-89-4 USPATFULL

CN Propanenitrile, 3-[2-[[4-fluoro-6-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-1,3,5-triazin-2-yl]oxy]ethoxy]- (9CI) (CA INDEX NAME)



L16 ANSWER 2 OF 4 USPATFULL

AN 82:28005 USPATFULL

TI Process for the preparation of triazinylamino-anthraquinones

IN Neeff, Rutger, Leverkusen, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)

PI US 4334068 19820608

AI US 1980-213242 19801204 (6)

PRAI DE 1979-2950876 19791218

DT Utility

FS Granted

EXNAM Primary Examiner: Ford, John M.

LREP Sprung, Horn, Kramer & Woods

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 156

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Anthraquinone dyestuffs of the formula ##STR1## wherein A is an optionally substituted anthraquinone radical and

R is an optionally substituted aryl radical, are obtained in outstanding yields, and without pollution of the effluent, by reacting 1 mol each of amino-anthraquinone and cyanuric chloride in excess phenol in a one-pot

process and at 50.degree.-200.degree. C. in the absence of acid acceptors and organic solvents.

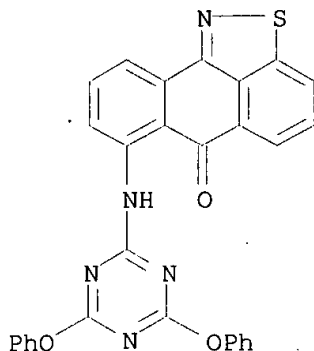
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 78865-92-6

(dye, for polyester fibers, manuf. of)

RN 78865-92-6 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7-[(4,6-diphenoxy-1,3,5-triazin-2-yl)amino]- (9CI) (CA INDEX NAME)



L16 ANSWER 3 OF 4 USPATFULL

AN 75:12439 USPATFULL

TI NEW VAT DYESTUFFS, THEIR MANUFACTURE AND USE

IN Ulrich, Paul, Basel, Switzerland

Stauble, Max, Basel, Switzerland

PA Ciba-Geigy AG, Basel, Switzerland (non-U.S. corporation)

PI US 3870717 19750311

AI US 1973-336574 19730228 (5)

PRAI CH 1972-3133 19720303

CH 1973-855 19730122

DT Utility

FS Granted

EXNAM Primary Examiner: Randolph, John D.

LREP Kolodny, Joseph G., Roberts, Edward McC., Almaula, Prabodh I.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 634

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to new vat dyestuffs of the general formula ##SPC1##

Wherein A represents vattable polycyclic quinone, X represents oxygen or sulphur, B represents a 6-membered heterocycle with 2 to 3 nitrogen atoms which optionally contains further fused carbocyclic rings, R represents an aromatic radical at which the substituent --X--B is in ortho- or meta-position to the amide group, Z is hydrogen or --X--B, and a represents hydrogen or ##SPC2##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

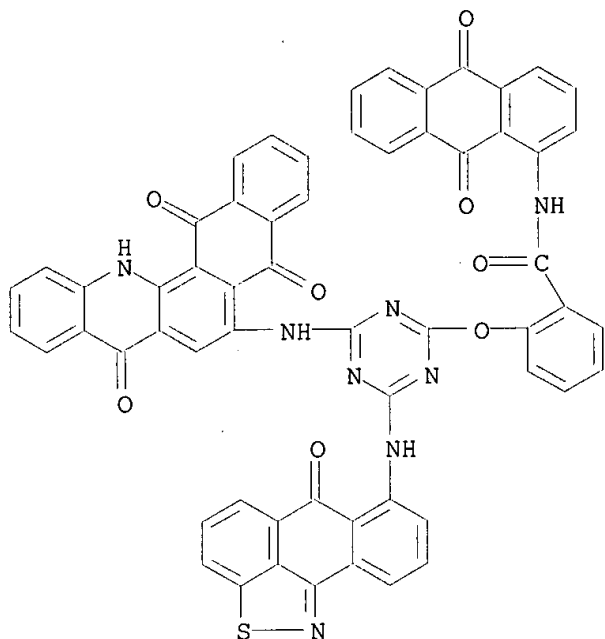
IT 43164-36-9P

(prepn. of)

RN 43164-36-9 USPATFULL

CN Benzamide, N-(9,10-dihydro-9,10-dioxo-1-anthracenyl)-2-[[4-[(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)amino]-6-[(5,8,13,14-tetrahydro-5,8,14-trioxonaphth[2,3-c]acridin-6-yl)amino]-1,3,5-triazin-2-yl]oxy]- (9CI)

(CA INDEX NAME)



L16 ANSWER 4 OF 4 USPATFULL
 AN 72:41708 USPATFULL
 TI ANTHRAQUINONYL TRIAZINE DYES
 IN Ulrich, Paul, Magnolienpark 10, Basel, Switzerland
 PI US 3684808 19720815
 AI US 1970-6288 19700127 (5)
 PRAI CH 1969-1563 19690131
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Ford, John M.
 LREP Goldsmith; Harry, Kolodny; Joseph G., Monaco; Mario A.
 CLMN Number of Claims: 9
 DRWN No Drawings
 LN.CNT 440
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The invention relates to compounds of the formula

(1) A.sub.1 -- B -- R -- B -- A.sub.2

wherein A.sub.1 and A.sub.2 each denotes a residue of a polycyclic
 auinone, of which one must be vattable, B denotes a five-membered or
 six-membered heterocyclic ring which contains at least one ring nitrogen
 atom, and R denotes the residue of a polyfunctional hydroxy or mercapto
 compound which is bound through two of its oxygen or sulphur atoms to a
 carbon atom of the residue B.

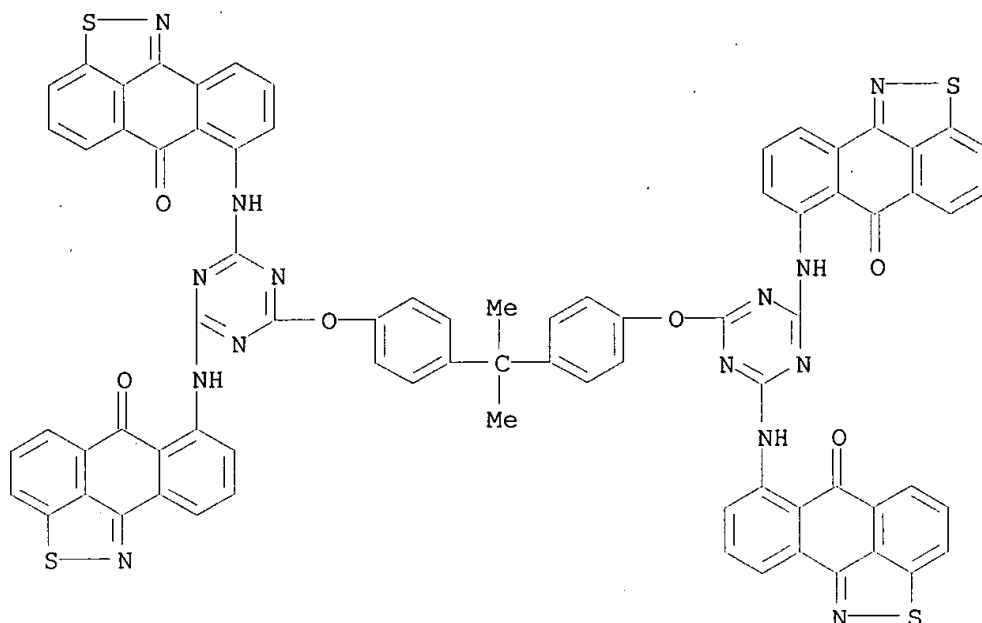
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 29723-19-1P

(prepn. of)

RN 29723-19-1 USPATFULL

CN 6H-Anthra[9,1-cd]isothiazol-6-one, 7,7',7'',7'''-[(1-
 methylethylidene)bis(4,1-phenyleneoxy-1,3,5-triazine-6,2,4-
 triyldiimino)]tetrakis- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 13:12:39 ON 15 JUL 2003)
SET COST OFF

FILE 'REGISTRY' ENTERED AT 13:13:16 ON 15 JUL 2003

L1 STR
L2 1 S L1
L3 60 S L1 FUL
SAV L3 BOB071/A

FILE 'HCAOLD' ENTERED AT 13:15:04 ON 15 JUL 2003

L4 2 S L3
SEL AN
EDIT /AN /OREF

FILE 'HCAPLUS' ENTERED AT 13:15:45 ON 15 JUL 2003

L5 4 S E1-E2
L6 2 S L5 AND (EATON ?/AU OR VAT DYES/TI)
L7 10 S L3
L8 1 S L6 AND L7
L9 2 S L6,L8
L10 1 S L7 AND (US20030073732/PN OR WO2002-US4283/AP,PRN)
L11 1 S L7 AND (SAKATA ? OR RAYMON ?)/AU
L12 1 S L7 AND SIGNAL?/PA,CS
L13 3 S L9-L12
L14 10 S L7 AND (PD<=20020207 OR PRD<=20020207 OR AD<=20020207)
L15 11 S L6-L14

FILE 'USPATFULL, USPAT2' ENTERED AT 13:20:08 ON 15 JUL 2003

L16 4 S L3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 15 JUL 2003

L17 STR L1

FILE 'REGISTRY' ENTERED AT 13:22:04 ON 15 JUL 2003

FILE 'HCAOLD' ENTERED AT 13:22:11 ON 15 JUL 2003

FILE 'HCAPLUS' ENTERED AT 13:22:21 ON 15 JUL 2003

L18 . 1 S L10-L12
L19 8 S L7 NOT L13

FILE 'USPATFULL, USPAT2' ENTERED AT 13:23:55 ON 15 JUL 2003